1989
Grum
Drill Logs
89-G-22
to 89-G-35
014992

89-G-22

47.774

CURRAGH RESOURCES INC.

Page 1 of ____

DIAMOND DRILL CORE LOG

Date: _____

Hole Number: 89G-22

Reference Fabric Orientation Diagram:

Project: 1989 Grum Fill-In

Location: _____

Claim: _____

Terr.Plane Co-ords.: 6,905,344.832 N 6,636.87N

592,293.533 E 2,989.47E

Grid Co-ords: 82W / 12+50N

Elevation: 1302.430

All symmetry determinations looking

Total Depth: 479 feet

_____ with _____ dipping

Inclination: -90° VERTICAL

_____ with dip azimuth _____.

Purpose: _____

Reason hole Terminated: Drilled through ore

Logged by: _____

Date(s) Logged: _____

Drilling Contractor: Arctic

CORE Size	From	To
NW	0	24 feet
NQ	24	479 feet

Collar Cased and Capped: No

Hole Cemented: No

Steel down Hole: No

Assay Lab: _____

Certificate No's: _____

Started: Aug 9/89 Completed: Aug 12/89

CURRAGH RESOURCES INC.

Diamond Drill Core Log

DDH 819G-122 (2 … 8)

Date: _____ Logged By: _____

Code	Drillhole	Elevation	Northing	Easting	Units (feet/metres)	R.F.E.	
	2 … 8	10 … 16	17 … 24	25 … 32	34 … 39	41 42	
T							

FEET

Code	Drillhole	Depth	Zenith Angle	True Azimuth	Comments
	2 … 8	10 … 14	22 … 26	28 … 32	34 … 56
R	819G-122	10	-19 01 • 0	10 • 0	AT COLLAR
R	819G-122	1163 0	-18 71 • 0	113 5 • 0	SPERRYSUN
R	819G-122	1313 0	-18 41 • 5	112 5 • 0	SPERRYSUN
R		1463 0	-18 31 • 0	111 61 • 0	SPERRYSUN
R			•	•	
R			•	•	
R			•	•	
R			•	•	
R			•	•	
R			•	•	
R			•	•	
R			•	•	
R		9	•	•	
R			•	•	
R			•	•	
R			•	•	
R			•	•	
R			•	•	
R					
R					
R					
R					
R					

Code	Drillhole	Comments, Errant Remarks, Snivellings and / or Lewd Suggestions
	2 … 8	10 … 56
		CAVED AT 1401 FEET

89G-22 Quik Log

0 - 32	overburden
32 - 95.5	5B70 / 500
95.5 - 104.0	5B2 (500)
104.0 - 127.0	500 / 5C7
127.0 - 156	5A1 Gouge + [illegible]
156 - 178	5D4
178 - 196	Gouge — 4A
196 - 220	HD5 ✓
220 - 245	3G
245 - 252	5D
252 - 269	5B2
269 - 314	5A19
314 - 318	4E4 ✓
318 - 331	5D4
331 - 352	3G
352 - 362	4D4 ✓
362 - 371	5D4
371 - 464.5	3G
464.5 - 417	4A4 ✓
417 - 435	5A1
435 - 472	4A0 ✓
472 - 477.5	3G

possible bankruptcy break ?!?

DDH BRG-122

CURRAGH RESOURCES INC.

Lithologic Log

Date: SEPT 16/89 Logged By: CVK

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	10 0	12.4 0		1	#1	TRICONED NO RECOVERY
		7 3				
	12.4 0	13.2 0		2	#1	O/B 10A3 Fragments.
		9 8				Variably sized, 10A3 O/B boulder Fragments & pebbles.
						largest recd piece 4 cm ϕ.
						1.2' recd.
	13.2 0	19.5 7		3	15A10	± ϕ minor
		29 2				Mod soft, light pale green, dominantly S_2 foliated,
						calcareous chloritic phyllite. S_2 surfaces shiny green-grey
						Contains abundant thin qtz-calcite bands & laminae
						which locally define lithons. Lithons Pre-S_2 qtz
						veins? Minor dolomite within qtz-calcite bands - increases
						down interval, qtz + calcite infill local late thin
						fractures.
						TOI - 35.0 ~ broken, 2.1' recd.
						35.0 - 50.7 ~ broken, recy good.
						50.7 - 57.6 ~ broken, local minor thin incipient gouge
						intervals // to S_2. 3.7' recd.
						57.6 - 62.7 ~ broken, recy good
						62.7 - 69.0 ~ broken, local minor thin incipient gouge
						intervals // to S_2 4.3' recd.
						69.0 - 95.7 ~ broken 2.5' core loss.

DDH BGC-32
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: SEPT 16/89 Logged By: CUR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	19 15 7	11012 1		14	15A10	(SDO) 70 : 30
		31 1				Mixed unit - dominate unit is mod soft, black, CS2 foliated carbonaceous phyllite. S2 surfaces carbon black. Abundant thin litions defined by qtz + cc. Interbedded in this unit in intervals ranging from 2 - 10 cm is pale green + white striped, mod soft, calcareous chloritic phyllite. Margins // to S1 and isoclinally folded - defines several phase 2 fold hinges. S1 intervals are likely same stratigraphic interval - drillhole intersected "M" region
						Core in broken, very good.
	110 12 1	11217 0		15	15D10	$\frac{1}{4}$ (SCO$\frac{1}{4}$) 90 : 10
		38 7				Dominate unit is pale green, mod soft, calcareous / dolomitic dominately PS2 foliated, chloritic phyllite. S2 surfaces shiny green-grey. Contains abundant thin qtz + cc + dol bands and laminae aligned // to S2. Locally defines thin litions. Bottom 3.0' against fault altered - contains abundant interstitial dolomite.
						116.0 → 117.8 unit exhibits relict diabasic texture.
						Unit is clotted - defined by green chl clots elongate // to S2 within this interval is abundant matrix dolomite ± calcite. Margins in S1 are gradational over 2-5 cm.
						TOI → 106.3 in broken I gouge + bxa, mly 2.0' rec'd.
						106.3 - 113.0 in broken 7.1' rec'd.
						113.0 - FOI in broken, local thin minor incipient gouge intervals // to S2., very good.

DDH 89G-323
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Page 05

Date: SEPT 16/89 Logged By: CUR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	112170	115125		16	151A	6 Bxa + GOUGE
		465				ṽ soft, black, carbonaceous, comminuted gouge and breccia. Core is flaky mud + breccia fragments. S2 fabric still visible within gouge + bxa. Margins of gouge not rec'd. Fractures within breccia are steep, generally ∠ 20° to core axis. FAULT IS LIKELY STEEPLY DIPPING.
						Core is GOUGE + Rubble - 16.5' rec'd. - A SIGNIFICANT FAULT!
						Bottom 10.0' of gouge + bxa contains local fragments containing thin qtz + py bands - approaches 4A lithology.
	115125	115190		17	151C14	$ Bxa (4C0 Bxa) 95:5
		485				Creamy tan - green, very soft dominately PS2 foliated, brecciated, altered chloritic / dolomitic phyllite. S2 surfaces dull white - tan ṽ "talcose" coatings. Local bright green "specks" of "fuchsite" on fracture surfaces
						154.0 → 155.0 redrilled, small, ṽ hard, pyritic qtzite fragments. Largest fragment 2cm ϕ, only 0.5' of 4C rec'd. Likely a high, broken 4C breccia clast within fault zone.
						107 → 154.0 flaky cream - tan gouge. At 154.0 is 2" interval of 5A - black carbonaceous gouge. 0.5' rec'd.
						154.0 → 156.0 rubble - bxa fragments, ṽ spread out rec'd.

CRI 1987 F-3A

DDH 89G-23
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: SEPT 16/89 Logged By: CUR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						156 → EOI ∴ broken + brecciated, 2.2' recvd.
	115190	116135		18	14C10	± 5 Bxa
		498				Small, hard, redrilled pyritic quartzite fragments. Largest fragment 2 cm ϕ. No visible grade. May be broken + fractured clast of 4C intrusive fault zone.
						1.5' spread out recvd. Core is rubble.
	116135	117130		19	15C14	$ I Bxa
		527				Mod soft, light cream-tan - green, altered dolomitic metatuffite. Contains local minor bright green "fuchsite" spots. S_2 vertical dull cream-tan. Bottom 5.0' of interval highly fractured and brecciated. Within this bxa interval is local minor angular pyritic quartzite clasts up to 3 cm ϕ.
						TOI → 164.0 rubble, recvy o.k.
						164.0 → EOI ∴ broken, recvy saved. 4" gouge interval at 167.5. Gouge x-cuts S_2 - 15-20° to core axis. Fractures in bxa trend 15-30° to core axis.
	117130	117182		110	15C14	@$ Bxa (5A6 Gouge) (4C0±5 Bxa) 50:40:10
		543				Dominant unit is mod soft, highly fractured, light cream-tan altered dolomitic/metatuffite? chloritic phyllite breccia. S_2 disrupted + displaced along abundant to the fractures. Within breccia are local angular clasts of highly

DDH 89G-22 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: SEPT 16/89 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						fractured, slightly carbonaceous pyritic quartzite. 4C clasts contain sph in thin fractures.
						TOI → 175.6 is soft carbonaceous phyllite mud gouge. Lower margin not recid 0.6' rec'd. 176.8 → 177.0 also carbonaceous mud gouge - 3.0" rec'd.
						177.0 → 177.6 is v hard, highly fractured and brecciated slightly pyritic, barren qtzite. Fine Py occurs in cutting abundant thin fractures. May be highly fractured qtz vein?
						177.6 → EOI is highly fractured, altered, dolomitic/ankeritic/chloritic phyllite. PS2 laminated. Contains local minor bright green fuchsite spots.
						TOI → 175.6 gouge 0.6' rec'd
						175.6 → v broken + bxa'd, local minor gouge 2.5' rec'd.
	1718 2	1811 8		111	14A 10	Bxa.
		55 4				v hard, highly fractured and broken, ribbon banded carbonaceous quartzite. Dominately PS2 foliated. S2 carbon black, strongly marks fingers. Unit locally vuggy along fractures. Ribbon banding is thin, diffuse, defined by qtz + sph + lesser py. Sph extensively re-mobilized into thin fractures. Est Pb+Zn 40% - dominately Sph. @ re-Silphide banding only 10% of unit volume.
						Core is cobble. 4.4' rec'd.

DDH B.9.G.-22
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: SEPT 16/89 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	1181 8	1196 5		11R	G10U6E	(5A6) Gouge (5D4$ Bxa) (4A0 Bxa) 95:2½:2½
		59 9				Dominate unit is v soft, black, noncalcareous, carbonaceous mud gouge.
						Top 5" of interval is v soft, highly fractured, oldered dolomitic / chloritic phyllite bxa.
						Within gouge are local barren highly fractured, angular, carbonaceous qtzite fragments up to 5 cm ϕ.
						Fractures in bxa trend 10-20° to core axis.
						Core is gouge + rubble. 9.1' rec'd.
						A SIGNIFICANT FAULT!
	1196 5	12103		113	14A14	
		67 1				v hard, moderately carbonaceous, ribbon banded qtzite. Ribbon banding diffuse - defined by qtz + disseminated py + sph
						Unit cS2 foliated. Banding defines S2, generally < 1cm thick. Banding 15-20% of unit volume. Est % Pb+Zn 6-7%. S2 surfaces dark grey - only slightly marks fingers.
						Top 5.0' highly fractured and broken, local incipient gouge along fractures.
						TOI - 207.0 rubble - only 4.2' spread out rec'd.
						207.0 - EOI in broken along steep fractures, veery gouged
	12103 3	12144 4		114	15B12B	± $ (5D6 $@) 90:10
		74 5				Dominate unit is mod soft, cS2 foliated, noncalcareous medium grey, moderately carbonaceous musc phyllite. S2 surfaces

DDH B96-223

CURRAGH RESOURCES INC.

Lithologic Log

Date: SEPT 16/89 Logged By: CUR.

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
						shiny medium grey. Carbon content decreases slightly, gradually moving down interval. Contains local thin qtz ± dol siltstone laminae & bands - locally define microlithons.
						234.8 → 236.6 is thinly PS2 laminated pale tan-green, anketitic / dolomitic chloritic phyllite. Margins sharp, // to S2.
						TOI - 223.7 ṽ broken. local incipient gouge and breccia along steep fractures. Recy O.K.
						223.7 - EOI ṽ broken, local incipient gouge along steep fractures 20.4' rec'd.
	12414 4	12511 8		115	15014	6 ± 1 minor ± 9 trace.
		76 7				Thinly PS2 foliated moderately soft, tan-green-grey, noncalcareous altered chloritic phyllite. S2 surfaces shiny - clotted pale green-grey. Clots are pale green chlorite. Contains local thin tan-orange weathered dol in thin bands // to S2. Contains local thin qtz ± Fine py bands which locally define lithons. Likely thin pre D2 qtz veins.
						Core in broken along S2, Recy good.
	12515 8	12616 0		116	15816	2 & minor
		81 1				Medium grey, weak carbonaceous, noncalcareous, locally CS2 foliated, more phyllite. S2 surfaces shiny medium grey - only slightly marks fingers. Contains local microlithons defined by qtz ± dol laminations. Qtz ± dol also occur in thin bands // to S2. Qtz + Dol (±Py) infill local x-cutting fractures. Core moderately

DDH 89-G-23
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: SEPT 16/89 Logged By: CUR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						broken along S2, recvy good.
	12616 0	12717 0		1117	15A16	Bxa + GOUGE (4AO Bxa) 95:5
		84 4				Dominant unit is v soft, black, carbonaceous phyllite gouge and breccia. Noncalcareous.
						Contains local, hard angular, black, pyritic 4A fragments.
						Traces of red-brown sph in 4A clasts.
						Core is gouge and rubble. 6.1' rec'd
	12717 0	13111 8		1118	15A1116	9 ± Bxa
		95 0				Black, mod- hard, siliceous, carbonaceous, locally mod- pyritic phyllite. S2 surfaces shiny black and strongly mark fingers. Contains abundant thin qtz ± py bands and laminations defining S1 and S2. Noncalcareous. Ore visible grade. Ribbon banding not developed well enough for 4A classification. Est Qtz content 25-30%. Est % Py 5%. S2 steep - v 20-25° to core axis.
						291.0 → 303.5 contains abundant incipient gouge and breccia. Fractures tend to be steep - 10-15° to core axis.
						TOI - 297.0 v broken minor incipient gouge and breccia 21.9' rec'd.
						297.0 - 303.5 rubble, bxa + gouge 6.2' rec'd
						303.5 - 309.5 v broken 6.4' spread out rec'd
						309.5 - EOI rubble, 1.3' spread out rec'd.

DDH B9G-33 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: SEPT 16/89 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	131.11 8	131.14 0		1119	141410	Bxa.
		95 7				v hard, highly fractured and broken, black, carbonaceous gtzite breccia. Ribbon banding is thin, diffuse, // S_2, defined by gte + disseminated fine Py +/ph. S_2 surfaces carbon black. Est % Py 8-10%. Est % Pb+Zn 2-3%.
						Core v broken 1.8' rec'd.
	131.14 0	131.18 9		1210	141E14	(4A0) (SAG GOUGE) (SC4X) 50:40:8:2.
		97 2				Dominate unit v hard, PS_2 banded, high grade, massive pyritic sulphide (314.9 → 317.9) Banding defined by local interstitial gte and local concentration of sph + gal.
						Est Pb+Zn at 4E41 8-10%. Unit is highly fractured and broken.
						TOT - 314.4 is v soft, white - tan, highly altered metabasite.
						314.4 - 314.9 small carbonaceous gtzite fragments. No grade.
						317.9 - 318.0 is black v soft flaky, carbonaceous gouge
						318.0 - EOI highly fractured and broken, v hard brown carbonaceous gtzite fragments. Fine Py in fills fractures.
						TOT - 315.0 Rubble 1.3' rec'd.
						315.0 - 316.5 v broken, 1.5' rec'd.
						316.5 - EOI, rubble, 2.4' rec'd.

DDH 89-G-32 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: SEPT 17/89 Logged By: CVK

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	131/18 9	131219 8		1211	151C141@	4 (4C3) 90 : 10
		100 5				Dominate unit is mod soft cream-white ± green tinge, light, altered, dolomitic / anteritic chloritic phyllite. S2 surfaces dull cream white - abundant powdery "talcose" coatings. Local bright green "fuchsite" specks elongate // to S2. Contains local qtz vein fragments ranging up to 10 cm ϕ. Fine Py in LVFs fractures in fragments.
						323.0 → 324.5 is ± hard, highly fractured, thinly banded pyritic quartzite. Unit is locally vuggy due to weathering of carbonate out of fractures. Banding generally < 1cm thick, // to S2, defined by dominate py, >> sph + qtz. Est Pb+Zn 3-4%. Margins of 4C brecciated. Bands in 4C trend // to core axis.
						EOI - 323.0 ± broken along steep fractures 2.3' rec'd.
						323.0 - 332.0 rubble, recy 0.K
						332.0 - 337.0 ± broken along abundant steep fractures
						337.0 - EOI rubble - local small 4C fragments 428.0-428.5 - 3.8' spread out rec'd.
	131219 8	131416 6		1212	151B1216	GOUGE + Brx (1000 ± 9) 95 : 5
		105 6				± soft, fissile, dark grey → black, noncalcareous, carbonaceous mica phyllite gouge and breccia. Margins of core // to S2.
						332.5 - 333.5 white, pegmatitic quartz vein fragments - largest piece 2" ϕ.
						342.5 - 343.2 - highly broken a fractured qtz vein. Fine py

DDH B-89-GC-213
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: SEPT 17/89 Logged By: CMR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						+ dol in fill fractures.
						Core is rubble breccia and gouge, 14.4' spread out recd.
						Significant Fault?
	13146	13510 6		213	151C1411	9@$ (SB6 + 4)
		106 9				Dominate unit is mod soft → locally hard, pale green-tan
						altered metabasite. Contains alternating bands of chl+dol+qtz
						and fine grey qtz ± fine diss py. local bright green
						"fuchsite specks. Banding defines S_1 and lithons. S_2 dull
						light patchy green-grey.
						Top 1.5' of interval is light grey, locally altered, slightly
						carbonaceous, noncalcareous, mussc phyllite. S_2 surfaces medium
						shiny grey. Qtz ± dol ± fine py infill local thin $\perp$-cutting
						fractures.
						Core in bottom along S_2, very good.
	15106	1516R 3		214	141D1314	(SC4 @$) 50:50.
		110 4				Interbanded unit of v hard, py + sph + qtz banded
						qtzite and soft tan-green mod soft altered metabasite.
						bands range from 4" to 2.5', margins // to S_2. S_1 in
						qtzite define several phase 2 fold hinges. Metabasite bands
						contain local bright green "fuchsite" specks + abundant dol+ank.
						S_1 banding in qtzite 30-40° of unit volume. Est
						Pb+Zn ent. core interval 6-8%
						Interval contains 6 metabasite and 6 high grade qtzite
						bands.

DDH B-9-G-22 (2 8)

CURRAGH RESOURCES INC.

Lithologic Log

Date: SEPT 17/89 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Core slightly broken, recy good.
	1316.3	1317.10 2 (1128)		1215	151C141.8	@ I 19 minor
						Cream - tan - green, mod⁻ soft, PS2 foliated, thinly banded dolomite / ankerite, chloritic, altered metabasite. Local small bright green "fuchsite" spots. Contains minor local thin - (generally < 2mm), qtz ± fine py ± traces of carb + sal bands // to S2. Est % py 3-4%. Est % Pb+Zn 1%. S2 surfaces dull pale tan-green. Fine py in fills local thin fractures.
						Core mod⁻ broken, recy good
	1317.10 2	1317.12 5 (1135)		1216	14A10	
						Locally highly fractured and highly broken, ± hard. CS2 foliated, thick carbonaceous qtzite. Ribbon banding thin, diffuse, poorly developed - defines S1 // S2. Banding generally < 1cm thick defined by py ± qtz - no grade. Fine py infills local thin fractures. Est % py 8-10%. Est % Pb+Zn 1-2%.
						Core ± broken, 2.4' recd.
	1317.12 5	1317.16 4 (1147)		1217	151B16	± 4 ± GOUGE minor ±1 minor (5C48@) 70:30
						Dominate unit is mod⁻ soft, CS2 foliated, light grey, locally silver-grey, carbonaceous, muscovitic. S2 surfaces shiny silver grey. 373.5 - 375.0, unit is "bleached" whitish grey with local soft flakey gouge. Unit becomes gradually lighter moving down the interval. Dolomite locally occurs in thin bands // to S2

DDH 89G-22 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: SEPT 17/89 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						becoming more abundant near EOI.
						376.5 - 378.0, highly broken and fractured, mod⁻ soft light tan-green dolomitic/ankeritic altered metabasite. Unit v broken due to steep fractures. Local traces of "fuchsite" on fracture surfaces. Fine py + marcasite? in fill local fractures.
						TOI - 377.5 v broken, recy 0.K
						377.5 - 375.0 rubble + gouge. 0.9' rec'd
						375.0 - 376.4 m broken, recy good
						376.4 - 378.8 rubble, 2.4' rec'd.
						378.8 - EOI v broken, recy good.
	131716 4	131812 7 (1166)		1218	151C14	78 @
						Buff green-grey, mod⁻ soft, thinly laminated, dolomitic, ankeritic, chloritic phyllite. Local minor bright green "fuchsite" specks. Dolomite occurs in thin PSz bands and in small (local) subrounded specks. Contains local thin rare-Qz qtz veins. Veins contain local small dark clasts.
						Core moderately broken, recy good.
	131827	131815 5 (1175)		1219	151B612	± GOUGE.
						Mod⁻ soft, highly fractured, locally sheared, noncarbonaceous, moderately carbonaceous phyllite. Medium → dark grey.
						383.7 → EOI is soft, moderately carbonaceous gouge. Most of gouge not rec'd.
						TOI → 383.7 v broken, recy good.
						383.7 → EOI gouge, 0.5' rec'd.

DDH 89-122 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: SEPT 17/89 Logged By: CWR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	131815 5	131911 5 119 3		1310	141L1012	4 minor Mod⁻ soft, grey-green, altered musc>chl phyllite. Contains local thin bands and stringers of qtz + >> fine py + minor sph + sal. S_2 surfaces clotted light grey-green lenticulareous. Est % Py 5-6% Est % Pb+Zn 2%. Core in broken, recy good.
	131911 5	141010 8 122 2		1311	151B1216	I 19 CS2 foliated, mod⁻ soft, medium → dark grey, nonCalcareous, moderately carbonaceous phyllite. Contains local⁺ abundant, thin qtz ± diss⁻ py + minor PO + minor sph+sal bands defining $S_1 + S_2$. $S^{=}$ become more abundant moving down interval. S_2 surfaces medium-dark shiny grey. Est % Py 3-4% Core in broken, recy good.
	141010 8	141012 5 122 7		1312	141A10	⁻ hard, black, ribbon banded, carbonaceous qtzite. Banding defines $S_1 + S_2$, consists of py + interstitial fine py. Bands 25-30% of unit volume. Bottom 0.1' of 4A is high grade sph>py band. Band // to S_2. Rest of unit is barren. Core ⁻ broken, recy O.K.
	141012 5	141116 6 127 0		1313	141A14	(4DO)(5C4 $ @) 45:5:50 Highly mixed unit of alternating thick bands (lites) folded single bands) of pale tan-green altered melatuffite and ⁻ hard,

DDH 89GT-22
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: SEPT 17/89 Logged By: CUR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						high grade carbonaceous ribbon banded qtzite. Bands range from 1.5' - 3.5' thick.
						Metabasite is mod soft thinly PSz foliated, light tan-green dolomitic/anteritic chloritic phyllite. Sz surfaces dull olive green contains local small bright green fuchsite spots. Margins of metabasite bands sharp // to Sz.
						4A4 is high grade, ribbon banding generally < 2 cm thick, defines Sz, consist of qtz + py + sph + gal - mete up ≈ 25% of unit volume. Grade 8-10% dominately sph. Thin 4" bands against metabasite hand carbon "worked" out.
						TOI → 405.5 is 5C4 $@
						405.5 → 407.7 is 4A4
						407.7 → 409.6 is 5C4 $@
						409.6 → 410.5 is 4A?
						410.5 → 412.9 is 5C4 $@
						412.9 → 416.6 is 4A4 Phase 2 fold hinge defined by $^{S^2}$ banding
						at 413.5.
						TOI → 408.0 ± broken, recov: O.K.
						408.0 → 410.0 ± broken due to steep fracture, recov O.K.
						410.0 → EOI intact, recov good.
	141 16 6	143 15 2		13 14	15 1A 1	6 $ minor 9 minor.
		132 6				Black, carbonaceous, Csz foliated, mod soft → locally hard, micaceous phyllite. Contains abundant thin bands and lithons defined by qtz + diss minor dol + minor fine py. Sz surfaces are carbon black, strongly mark fingers. Unit locally hard w/ lens

DDH 89G-22
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: SEPT 17/89 Logged By: CUR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						qtz bands and lithons > 50% of unit volume.
						TOI - 472.0 v broken - Fissile along S_2. recy good. local minor gouge along thin fractures.
						472.0 - EOI v broken, recy good.
						local minor fine py in fills fractures.
	1413 15 2	1415 15 9		1315	1414 10	± 4 minor ± Bxa
		1390				v hard, CS_2 banded + foliated, black, ribbon banded carbonaceous qtzite. S_2 surfaces carbon black - strongly marks fingers. Ribbon banding generally thin, < 1cm, defined by pyrrhotite + interstitial fine qtz. Banding aligned along S_1 + S_2. Banding 15 - 20% of unit volume.
						Fit PbZn ranges from 2-3% to locally 7-8%.
						Over entire interval ± 5-6%.
						Unit is highly fractured + locally porous along fractures due to weathered carbonate?
						TOI - 438.4 v broken, recy good
						438.4 - 444.5 rubble + bxa only 4.1' rec'd - literally not a significant hole.
						444.5 - 446.6 v broken, recy good.
						446.6 - 449.0 rubble - local bxa'd. 1.2' spread out rec'd.
						449.0 - 451.5 v broken, recy O.K.
						451.5 - 453.0 rubble, 1.4' spread out rec'd.
						453.0 - EOI v broken, recy O.K.

DDH 89G-22 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: SEPT Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	1415.9	1461.0		136	15A141	@ (5A169) (4D0) 95 : 5 : TRACE
		1405				Dominate unit is PS2 foliated dull olive, green-tan, mod soft, altered dolomitic / carbonatic / chloritic phyllite. Margins sharp, // to Sa. S2 surfaces buff-tan-green. Fine py infills local thin fractures.
						Contains local thin cofolial bands of mod hard, black, carbonaceous, siliceous, phyllite. Contains local thin qtz + minor spk bands aligned // to S2
						At 456.8 is small, ~ hard angular "clast" of ~ hard, light grey qtzite. Sub in fair abundant thin fractures.
						TOI → 459.0 ~ broken, recy, good
						459.0 → EOI ~ broken 1.9' spread out rec'd.
	1461.0	1471.3		137	15A1196	Gouge + Bxa.
		1440				High, broken and fractured, locally gouged, mod soft → locally hard, noncalcareous, carbonaceous breccia.
						Contains local minor thin bands and clasts of qtz + fine py. Dominate fracture set bands nearly // to core axis. GOUGE content increases moving down interval.
						TOI → 466.0 Breccia + Gouge 3.7' rec'd.
						466.0 → 470.3 GOUGE only, 0.6' rec'd.
						470.3 → EOI ~ broken, fractured and bxa'd 2.0' rec'd.

DDH BAC-22-8

CURRAGH RESOURCES INC.

Lithologic Log

Date: SEPT 17/89 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	1417.3	1479.5		1318	1510141	@ (SAG ?) 70:30
		1462				Mixed interval of dominate buff tan - green altered dolomitic/chloritic phyllite interbedded w/ mod - soft CSZ foliated, dolomitic, carbonaceous phyllite. Top contact of SD against SA 40°/000 w.r.t. S2.
						SD contains abundant dol + carb? in thin buff-tan weathered bands // to S2. S2 surfaces dull buff tan-green.
						SA contains abundant thin qtz + dol bands + lithons defining both S1 + S2. S2 surfaces shiny black
						Core is broken, recy good
						EOH

DDH 89G-23 (2 of 8) CURRAGH RESOURCES INC. Page ____ of ____

Logged by CUR

ASSAY LOG (SAMPLER'S COPY) Date SEPT 21 Sampled by ____

CODE	FROM	TO	SAMPLE	INTR.	REC (m)	UNIT	DESCRIPTION
1	10 14	16 48.20 26	22 26	28 30	32 34	36 WASTE 40	42
	11 15 4.19 8.50	11 16 4.35 9.85	3 7 2 8 1 4	1 3 5	1.1 1 3 5	1 1 4 K D	± 5 Bxa
	1 1 4 9.40	1 1 5 4.73				WASTE	
	11 17 5.18 4.32	11 18 5.11 4.78	3 7 2 1 8 5	1 3 6	1.1 1 3 6	1 1 4 A 10	Bxa
	1 1 5 5.74	1 1 5 9.79				WASTE	
	11 19 5.16 9.75	12 10 6.12 6.60	3 7 2 4 8 6	1 5 5	0.9 1 2 8	1 1 4 1 A 14	
	12 10 12 0	12 10 17 6.30	3 7 2 4 8 7	1 5 C	0.5 1 $ 5	1 1 4 1 A 14	
	12 10 17 0	12 11 11 6.47	3 7 2 1 8 8	1 4 1	1.2 1 4 1	1 1 4 1 A 14	
	12 11 11 1	12 11 16 6.59	3 7 2 1 8 9	1 5 C	1.5 1 5 0	1 1 4 1 A 14	
	12 11 16 1	12 12 10 6.75	3 7 2 9 1 0	1 4 2	1.3 1 4 2	1 1 4 1 A 14	
	1 1 6 7.10	1 1 9 5.40				WASTE	
	13 11 9.95 8.70	13 11 14 9.57	3 7 2 9 1 1	1 2	0.5 1 1 5	1 1 4 1 A 10	Bxa
	13 11 14 0	13 11 18 7.26	3 7 2 9 1 2	1 4 9	1.5 1 4 9	1 4 1 E 1 4 1 1	(4A0) (5A6 GOUGE) (5C4*) 50:40:8:2
	13 11 18 9	13 12 12 8.40	3 7 2 9 1 3	1 4 0	1.1 1 3 7	5 1 C 1 4 @ 1 $	
	13 12 12 9	13 12 14 9.80	3 7 2 9 1 4	1 1 8	0.5 1 1 8	1 1 4 1 C 1 3	
	13 12 14 7	13 12 19 0.58	3 7 2 9 1 5	1 5 1	1.4 1 4 7	5 1 C 1 4 @ 1 $	
	1 1 0 1 0.59	1 1 0 1 6.91				WASTE	
	13 15 10 6.96	13 15 16 8.50	3 7 2 1 9 1 6	1 5 4	1.6 1 5 4	1 1 4 1 D 1 4	3 (5C4) 70:30
	13 15 16 0	13 15 19 9.65	3 7 2 1 9 1 7	1 3 5	1.4 1 3 5	1 1 4 1 D 1 4	3 (5C4) 60:40
	13 15 19 5	13 16 [illegible] 0.23	3 7 2 1 9 [illegible]	[illegible]	[illegible]	1 1 5 1 C H	(4043) 70:30
	13 16 [illegible] 3	13 17 2.10 3.32	3 7 2 1 9 1 9	1 [illegible] 9	2.1 1 6 9	1 5 1 C 1 4 1 8	@ ± 19 minor
	13 17 10 2	13 17 [illegible] 5.55	3 7 3 0 0	1 2 3	0.7 1 2 3	1 4 1 A 1 0 9	
	1 1 1 6 3.55	1 1 2 1 2.72				WASTE	
	14 10 0.28 2.78	14 10 2.12 5.77	3 7 3 0 1 1	1 1 7	0.5 1 1 7	1 4 1 A 1 0 1	
	14 10 2 5	14 10 3.15 4.60	3 7 3 0 1 2	1 2 5	0.8 1 2 5	1 5 1 C 1 4 $	@
	14 10 5 0	14 10 4.17 3.80	3 7 3 0 1 3	1 2 8	0.9 1 2 8	1 1 4 1 4 1	
	14 10 7 8	14 11 2.13 5.90	3 7 3 1 0 1 4	1 5 2	1.4 1 5 2	1 5 1 C 1 4 1 $	@
	14 11 3 0	14 11 7.16 0.06	3 7 3 1 0 5	1 3 6	1.1 1 3 6	1 4 1 A 1 4 1	
	11 12 7 0	11 13 2.76				WASTE	
	14 13 2.15 2.62	14 13 4.10 3.55	3 7 3 1 0 6	1 5 3	1.2 1 4 0	1 1 4 1 A 1 0	± 4 minor
	14 14 10 5	14 14 12 5.42	3 7 3 B 1 0 7	1 3 7	1.1 1 3 7	1 1 4 1 A 1 0	± 4 minor
	14 14 14 2	14 14 16 9.92	3 7 3 B 1 0 8	1 5 C	1.2 1 4 8	1 1 4 1 A D	± 4 minor
	14 14 19 2	14 15 18.07	3 7 3 1 0 9	1 3 5	1.1 1 3 5	1 1 4 1 A 1 0	± 4 minor
	14 15 12 7	14 15 15 0.97	3 7 3 1 1 0	1 3 2	1.0 1 3 2	1 1 4 1 A 1 0	± 4 minor
	1 1 3 9.70	1 1 4 6.32				WASTE	
				EOH			

C.R.I. 1987 E-5

PROJECT _____ DRILLHOLE NO. 89-G-22 COORDINATES: N _____ DATE Aug 16 1989

LOCATION _____ HOLE SIZE _____ E _____ PAGE 1 OF 4

LOGGER TAK/ ADR INCLINATION _____ ELEVATION _____

PITEAU & ASSOCIATES
GEOTECHNICAL CONSULTANTS
VANCOUVER CALGARY

GEOTECHNICAL CORE LOG

DEPTH (TO)	LENGTH OF RUN	CORE RECOVERY		RQD		HARDNESS	DEGREE OF BREAKAGE		DEGREE OF WEATHERING	ROCK TYPE	BEDDING DIP		BEDDING JOINTS		CROSS JOINTS		COMMENTS
		LENGTH	%	LENGTH	%		CATEGORY	NO.			DEPTH	ANGLE	NO.	FREQ.	NO.	FREQ.	
32	32	2		0			6		D						0		
35	3	2.1		0			6		D						0		
39.5	4.5	4.5		0			6		E						1		
45	5.5	4.1		0			8		E						0		
49	4	3.5		0			7		F						0		
54.5	5.5	3.2		0.5			7		F						0		
59	4.5	3.6		0			7		F						2		
64	5	5		0.9			9		F						3		
69	5	3.9		0			7		E						2		
73.5	4.5	4.5		0			7		F						2		
79	5.5	5.5		0			8		F						2		
84	5	5		1			9		F						1		
89	5	3.65		0.85			8		F						0		
92	3	2.75		0			7		F						1		
97	5	4.6		0.7			7		E						0		
101	4	4		0			7		E						1		
106	5	2.85		0			6		E						0		
111	5	4.85		0			6		D						1		
113	2	1.95		0			6		D						0		
118	5	5		2.15			10		E						0		
122.5	4.5	4.5		0.6			7		D						0		
127	4.5	2.2		0			7		D						1		
132	5	0.6		0			2		F						0		
135	3	3.0		0			6		E						1		
138	3	2.2		0			1		F						0		
142	4	2.6		0			2		F						0		
144	2	2		0			2		F						0		
145	1	1		0			3		F						0		

Fig. 1. Typical rock mechanics core log.

PROJECT _____ DRILLHOLE NO. 89-G-22 COORDINATES: N _____ DATE Aug. 16 19 89

LOCATION _____ HOLE SIZE _____ E _____ PAGE 2 of 4

LOGGER TJK/ADR INCLINATION _____ ELEVATION _____

PITEAU & ASSOCIATES
GEOTECHNICAL CONSULTANTS
VANCOUVER CALGARY

GEOTECHNICAL CORE LOG

DEPTH (TO)	LENGTH OF RUN	CORE RECOVERY		RQD		HARDNESS	DEGREE OF BREAKAGE		DEGREE OF WEATHERING	ROCK TYPE	BEDDING DIP		BEDDING JOINTS		CROSS JOINTS		COMMENTS
		LENGTH	%	LENGTH	%		CATEGORY	NO.			DEPTH	ANGLE	NO.	FREQ.	NO.	FREQ.	
152	7	1.4		0			3		F						0		
154	2	1.55		0			5		F						0		
156	2	1.3		0			5		F						0		
159.5	3.5	2.9		0			6		F						0		
160.5	1	0.7		0			5		F						0		
163.5	3	1.1		0			5		F						0		
164	0.5	0.5		0			5		F						0		
168	4	2.4		1.05			8		F						0		
173	5	5		1.2			9		F						2		
178	5	3.3		0			3		F						0		
182	4	4		0			5		F						0		
187	5	4.5		0			6		F						0		
192	5	4.1		0			1		F						0		
197	5	3.7		0			1		F						0		
202	5	2.4		0			6		F						0		
207	5	1.15		0			5		F						0		
210	3	3		0.35			7		F						1		
215	5	5		0.35			7		F						2		
220	5	4.7		0.4			7		F						2		
225.5	5.5	5.3		0			6		F						2		
230	4.5	3		0			6		F						0		
235	5	3.7		0			6		F						0		
240	5	5		0.85			6		F						3		
245	5	5		0			7		F						1		
250	5	5		0.5			7		F						3		
255.5	5.5	5.2		1.95			9		F						1		
261	5.5	5		0.5			7		F						2		
266	5	4		0			7		F						0		
271.5	5.5	4.3		0			2		F						0		

Fig. 1. Typical rock mechanics core log.

PROJECT _____ DRILLHOLE NO. 89-G22 COORDINATES: N _____ DATE Aug.16 19 89

LOCATION _____ HOLE SIZE _____ E _____ PAGE 3 of 4

LOGGER ADR/TLK INCLINATION _____ ELEVATION _____

PITEAU & ASSOCIATES
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VANCOUVER CALGARY

GEOTECHNICAL CORE LOG

DEPTH (TO)	LENGTH OF RUN	CORE RECOVERY		RQD		HARDNESS	DEGREE OF BREAKAGE		DEGREE OF WEATHERING	ROCK TYPE	BEDDING DIP		BEDDING JOINTS		CROSS JOINTS		COMMENTS
		LENGTH	%	LENGTH	%		CATEGORY	NO.			DEPTH	ANGLE	NO.	FREQ.	NO.	FREQ.	
277	5.5	1.8		0			1		F						0		
282	5	4		0.35			7		F						0		
284	2	2		0.7			7		F						1		
288	4	4		0			7		F						1		
292	4	4		0			7		F						1		
297	5	4.2		0.35			7		F						2		
300	3	2.4		0			6		F						1		
303.5	3.5	2.8		0			1		F						0		
305.5	2	2		0			6		F						2		
309.5	4	3.6		0			6		F						0		
312.5	3	2		0			5		F						0		
314	1.5	0.9		0			6		F						0		
316	2	2		0.5			6		F						2		
318	2	2		0			6		E						1		
320	2	0.9		0			5		F						0		
323	3	3		0			6		E						2		
327.5	4.5	4.1		0.4			6		F						1		
328.5	1	1		0			6		F						0		
332	3.5	2.9		0			6		D						0		
337	5	3.1		0			6		E						2		
340.5	3.5	3.5		0			7		E						0		
341.5	1	0.7		0			3		F						0		
342.5	1.0	1.1		0			2		F						0		
346.5	4.0	2.0		0			1		F						0		
352	5.5	5.1		.9			7		E						2		
357	5.0	4.4		2.9			10		F						0		
362	5.0	5.0		3.15			10		E						0		
367	5.0	4.8		2.5			10		E						0		

Fig. 1. Typical rock mechanics core log.

PROJECT _____ DRILLHOLE NO. 89-6-22 COORDINATES: N _____ DATE Aug 16/89

LOCATION _____ HOLE SIZE _____ E _____ PAGE 4 of 4

LOGGED ADR / TLK DECLINATION _____ ELEVATION _____

PITEAU & ASSOCIATES
GEOTECHNICAL CONSULTANTS
VANCOUVER CALGARY

GEOTECHNICAL CORE LOG

DEPTH (TO)	LENGTH OF RUN	CORE RECOVERY		RQD		RADIOMETRIC	DEGREE OF BREAKAGE		DEGREE OF WEATHERING	ROCK TYPE	BEDDING DEP		BEDDING JOINTS		CROSS JOINTS		COMMENTS
		LENGTH	%	LENGTH	%		CATEGORY	NO.			DEPTH	ANGLE	NO.	FREQ.	NO.	FREQ.	
372	5.0	5.0		1.65			8		E							1	
375	3.0	2.0		0			7		E							0	
380	5.0	5.0		1.3			7		F							1	
385.5	5.5	4.0		0			7		E							0	
390.5	5.0	5.0		.4			7		F							1	
395.5	5.0	5.0		1.05			8		F							0	
400.5	5.0	5.0		1.45			7		E							2	
404.5	4.0	4.0		.70			7		F							3	
408	3.5	3.3		.95			7		E							3	
412	4.0	4.0		.75			7		E							2	
417	5.0	4.9		3.4			10		F							1	
422	5.0	4.5		.4			6		E							0	
427	5.0	5.0		0			6		F							4	
432	5.0	5.0		.70			7		E							0	
436	4.0	4.0		0			7		F							1	
441	5.0	2.7		1.9			7		F							0	
444.4	3.4	2.7		.35			7		E							0	
449	4.6	3.4		.4			6		E							2	
452	3.0	3.0		0			6		E							0	
454.5	2.5	1.9		0			6		F							0	
459	4.5	4.5		1.75			9		F							2	
462	3.0	2.7		0			6		E							0	
464.5	2.5	1.7		0			6		F							0	
470	4.5	1.8		0			2		F							0	
472	2	1.5		0			2		F							0	
474.5	2.5	2.0		0			7		E							1	
479.5	4.5	4.5		1.15			7		F							0	

Fig. 1. Typical rock mechanics core log.

DDH 89-6-22 (2 / 8) CURRAGH RESOURCES INC. Page ____ of ____

Structural Log Date: Aug 21/89 Logged By: A. Reznik

Code	From	To (feet)	Feature	Sym	S_0 Dip Direct.	S_1 Dip Direct.	S_2 Dip Direct	Description
1	10 14	16 20	22 24	26	28 32	34 38	40 44	
	1415	0	AS12	-		T	510	S_2 defined by comp banding.
	714	0	AS12	-		T	610	" " " "
	890		CIS12S			415 3145	716	" " " "
	1/1/175		CIS12S			517 3150	515	S_2 defined by fine 'altered' musc lamin
	1/1/185		AS12	-		T	615	S_2 is crenulated here; comp banding present.
	1/1619	0	AS12	-		T	28	S_2 defined by 'altered' musc laminations.
	121/125		AS12	-		T	610	S_2 defined by Py & Sph banding.
	12145		AS13	-		S_3 711	T	S_3 defined by silvery micaceous laminations.
	12415	0	CIS12S			315 2613	710	laminations of fine 'altered' musc pres
	12611	0	CIS12S			212 0818	612	micaceous films present.
	12818	0	AS12	-		T	316	S_2 defined by Py & Sph banding
	13015		AS12	-		T	42	S_2 defined by thin micaceous lamina
	13310		AS12	-		T	311	S_2 defined by 'altered' musc laminatn. comp banding present.
	13511	5	AS12	-		T	613	" " "
	13616	0	AS12	-		T	413	" " "
	13912	5	AS13	-		S_3 718	T	S_3 defined by thin silvery micaceous laminations.
	14017	0	AS12	-		T	618	S_2 defined by Py & Sph banding
	14214	5	CIS12S			316 3415	604	thin micaceous laminations prese
	14313	0	CIS12S			314 0101	614	" " " "
	14519	0	AS12	-		T	613	S_2 defined by thin 'altered' musc laminations.
	14750		CIS12S			312 2819	718	thin micaceous laminations present.
					+ 1E	01H T		

C.R.I. 1987 E – 4

89-G-23

CURRAGH RESOURCES INC.

Page 1 of ____

DIAMOND DRILL CORE LOG

Date: _____

Hole Number: 89G-23

Reference Fabric Orientation Diagram:

Project: 1989 GRUM FILL-IN

Location: _____

Claim: _____

Terr.Plane Co-ords.: 6,905,325.941 N 6,586.13 N

592,344.874 E 3,009.99 E

Grid Co-ords: 80W / 13 N

Elevation: 1301.934

All symmetry determinations looking

Total Depth: 349 feet

_____ with _____ dipping

Inclination: -80° to NE

_____ with dip azimuth _____.

Purpose: _____

Reason hole Terminated: Drilled through ore

Logged by: L.C. Pigage

Date(s) Logged: Sept 12 -

Drilling Contractor: ARCTIC

Size	CORE From	To
NW	0	40 feet
NQ	40	349 feet

Collar Cased and Capped: No

Hole Cemented: No

Steel down Hole: No

Assay Lab: _____

Certificate No's: _____

Started: Aug 12/89 Completed: Aug 14/89

_____

CURRAGH RESOURCES INC.

Diamond Drill Core Log

DDH 89G-23 (2 8)

Date: _____ Logged By: _____

Code	Drillhole	Elevation	Northing	Easting	Units (feet/metres)	R.F.E.	
	2 8	10 16	17 24	25 32	34 39	41 42	
T							

FEET

Code	Drillhole	Depth	Zenith Angle	True Azimuth	Comments
	2 8	10 14	22 26	28 32	34 56
R	89G-23	10	-81.0	142.0	AT COLLAR
R		1812	-71.0	156.0	SPERRY SUN
R		1312	-71.5	161.0	SPERRY SUN
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R					
R					
R					
R					
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Code	Drillhole	Comments, Errant Remarks, Snivellings and / or Lewd Suggestions
	2 8	10 56
		BAD MUD SEAM AT 2146 FEET

DDH 86-23

CURRAGH RESOURCES INC.

Lithologic Log

Date: Sept 12/86 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
	2 8 FEET					
	10 0	14 10 0 12 2		11	#	TRICONED — NO RECOVERY
	14 10 0	14 16 0 14 0		12	5 D 14	$ MINOR (5A61) 95:05 WEATHERED Major unit is soft, PS2-foliated, pale cream, muscovite phyllite. S2 surfaces are silvery cream. Contains minor dolomite. Marginal contacts are sharp parallel S1. Fractures and edges of S2 surface display orange-brown weathering stain. Minor bright green "fuchsite" streaks Contains thin interbands of very dark grey, PS2-foliated, noncalcareous, moderately hard, phyllite. S2 surfaces are shiny black and only slightly mark fingers. Breaks into angular chunks rather than being poker chippy and fissile. Typically S2 surfaces have patchy rust brown weathering spotting. Only 3.5 feet core recovered. Very broken and rubbly. Looks like reground core at TOI — possibly residue from triconing
	14 16 0	15 10 8 15 5		13	5 A 16	±1 ± $ MINOR WEATHERED Dark grey, PS2-foliated, noncalcareous phyllite. S2 surfaces are shiny black. Hardness ranges from soft to hard, depending on the interval tested. Locally contains thin bedded, slightly dolomitic, pale grey green siltstone bands to laminae. Fractures have rusty orange brown weathering surface coating. S2 surfaces have patchy orange-brown weathering coat. Core very broken and rubbly. No gouge. About 3.5 feet core recovered. Softer intervals are more poker chippy.
	15 10 8	17 10 0 21 3		14	5 A 16	±1 Very dark grey, PS2-foliated, noncalcareous phyllite. Interbanded soft and hard intervals on a scale of 10's of cm. S2 surfaces are shiny black and slightly mark the fingers. Softer intervals break with fissile poker chippy aspect and more siliceous intervals break with

DDH 89-G-23
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: Sept 12/89 Logged By: ACP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						chunky, angular fragments. Contains thin grassy siltstone bands locally.
						Core very broken, poker chippy, rubbly. Difficult to determine recovery because core extensively spread out in box. TOI - 62 recovery seems reasonable // 62-67 only 1.5 feet core // 67-69 has 1.5 feet spread out core // 69-EOI recovery reasonable - core very spread out. Some minor 10cm gouges present locally.
	1710 0	1712 0		15	151C1417	$
		21 9				Moderately soft, PS2-foliated, pale grey, muscovite-chlorite-dolomite phyllite. S2 surfaces are silvery w/ patchy medium green chlorite and bright green "fuchsite" spots. Chlorite forms thin laminae parallel S2 in a grey, carbonate-rich matrix. Unit weathers pale tan. Calcite infills thin cross cutting fractures.
						Core very broken and rubbly. Recovery seems OK - core is very spread out. No faults
	1712 0	1110 10 0		16	151B1612	± $ MINOR (4AO) MINOR
		30 5				Moderately soft to soft, PS2-foliated, dark grey, noncalcareous phyllite. S2 surfaces are steely grey and slightly mark the fingers. Minor scattered pyrite porphyroblasts. Contains minor pale grey grassy siltstone bands which locally contains minor, beaded dolomite.
						Bottom 1 foot of unit has a few interbands (5cm or less) of ribbon-banded, carbonaceous quartzite (4A). Qtzite contains reddish sphalerite in thin pale grey to white ribbons. This would be transitional to next unit.
						Core very broken, rubbly, poker chippy with some local gouges. TOI - 73 recovery OK // 73-77 has 1.5 feet core // 77-81-82 has no core // 82-87 has 1.8 feet core // 87-92 recovery OK // 92-96 has 2 feet core // 96-EOI recovery OK.
	1110 10 0	1111 3 5		17	141A101	± GOUGE [5A169 ± GOUGE]
		34 6				Hard, black to dark grey, noncalcareous, CS2-foliated, slightly pyritic qtzite. S2

DDH 89G-23 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Sept 14/89 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						surfaces are shiny black but only slightly mark fingers. Ribbon banding defined by thin off-white qtz-sphalerite-pyrite bands in siliceous, fine-grained, grey matrix. Sphalerite > pyrite. Ribbons parallel S1 and deformed by S2. Sulphides also concentrated in S2 pressure soln. stripes. Carbonaceous folia have micaceous aspect and are locally moderately soft. Coarse fine-grained pyrite aggregates as fractures infillings. Only 2-3% (Pb+Zn). Total sulphides about 5%.
						TOI - 101.5 Very broken and rubbly - recovery seems OK // 101.5 - 103.0 mud gouge w/ good recovery. Contains pieces of carbonaceous qtzite. Upper contact is tectonic bxa w/ orientations 25/330 wrt S2 // 103 - 105.5 mod. broken w/ good recovery // 105.5 - EOI Very broken & rubbly w/ gouges. Gouges along steep fractures at shallow angle to core axis. - about 25°
1	111 13 5	113 10 0		18	15 A 16 1	± $ ± Gouge [5B62]
		39 6				Soft, PS2-foliated, dark grey to black, noncalcareous phyllite. S2 surfaces are shiny black and moderately mark fingers. Very locally contains pale grey gitzose siltstone bands which are slightly dolomitic. Thickness of siltstone-rich intervals ranges up to 5 cm. Differentiated from last unit because soft.
						TOI - 117 Mod. broken, mod. poker chippy w/ good recovery // 117 - 121 mud gouge w/ good recovery. Upper contact parallel S2. Lower contact lost in rubble // 121 - 123.5 very broken & poker chippy - recovery OK // 123.5 - 130 Very broken and rubbly w/ gouges. Gouges disrupt the S2 foliation - recovery OK
	113 10 0	114 30		19	15 B 16 2	± 1 Minor.
		43 6				Dark grey, noncalcareous, PS2-foliated phyllite. S2 surfaces are dull sticky grey and only slightly mark fingers. Phyllite finely and discontinuously banded in shades of grey. Upper portions of intervals darker grey w/ some gitzose siltstone interbands. Minor pyrite.

DDH B.9.G.-2.3. (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Sept 14/89 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
		114136		19		porphyroblasts w/ qtz vein pressure shadows within S2 foliation. Core mod to very broken – very poker chippy w/ minor local incipient gouges Recovery OK Noted 1 small black "chert" nodule on phyllite
	114130	114153		110	151B1612	#MINOR (5D #4) 65:35
		44 3				Soft, PS2-foliated, dark grey, noncalcareous phyllite. S2 surfaces are dark steely grey. Thinly banded w/ 1-2mm thick pale grey grosse siltstone bands which are slightly dolomitic. Siltstone bands are parallel S2 foliation.
						Tube 143-143.7 is pale green, PS2-foliated, soft, dolomitic muscovite-chlorite phyllite. Weathers to a very pale beige. S2 surfaces are silvery beige. Minor bright green "fuchsite" gets noted on S2 surfaces locally. Marginal contacts are sharp parallel S2. Core very poker chippy w/ good recovery.
	114153	114185		111	151B1213	(5D3) 70:30
		45 3				Dark grey, PS2- to CS2-foliated, very calcareous, soft phyllite. Calcite forms 2-5 cm thick compositional bands of medium-grey, medium xline marble. Very calcareous intervals are CS2-foliated – otherwise unit is PS2 foliated. S2 surfaces are steely grey
						Contains 1-5cm interbands of pale olive, soft, very calcareous, chlorite-muscovite phyllite. PS2-foliated S2 surfaces are pale silvery green. Marginal contacts are sharp parallel S1 and/or S2.
						Core mod. to very poker chippy w/ good recovery.
	114185	115171		112	151D101	(5880 ± 2) 70:30
		47 9				Dominant unit is soft, PS2-foliated, pale olive, calcareous muscovite-chlorite phyllite. S2 surfaces are very pale silvery green. Contains minor irregular quartzbtite porphyroblasts. Minor S2-parallel veinlets consist of calcite-quartz. Marginal contacts are sharp-parallel S1.

DDH 89-G-23
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: Sept 14/89 Logged By: HCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
		111517		112		Interbanded pelite is moderately soft, Calcareous, CS2-foliated, dark grey-green phyllite. S2 surfaces are greenish grey. S1 microlithons defined by thin dolomitic grey siltstone bands. Locally cut surface is dark grey to black. Fine laminar phyllite S2 surfaces are steely grey. Marginal contacts w/ SD are folded by D2. Core moderately broken w/ good recovery.
	111517	111619 5 1/7		113	5B1218	±4 (5A61) 70:30 Soft, PS2-foliated, calcareous, dark greenish grey phyllite. S2 surfaces are dark steely grey. Calcite disseminated in thin diffuse compositional bands parallel S2. Cut surface has medium to dark greenish tinge when wet. Interval 164.5-167 consists of hard, noncalcareous, very dark grey to black, PS2-foliated carbonaceous, siliceous phyllite. S2-surfaces are shiny black and mark the fingers only slightly. Contains thin qtz-pyrite veinlets. Adjacent to 5A (and to metabasite on lower EOI) phyllite is noncalcareous, pale green. S2 surfaces are silvery green. Appears to represent a slightly bleached, slightly altered phyllite. Possibly related to nearby metabasite. Core mod. broken to very poker chippy. Recovery good.
	111619 5	111912 0 5/8		114	5D1811	(5C 7½)(5B76)(5B26) 40:30:15:15 Unit consists of metabasite w/ lesser interbands of dark grey and pale silvery green, noncalcareous pelitic phyllite. Metabasite includes both 5D and 5C variants. 5D is soft, dolomitic, PS2-foliated, olive chloritic phyllite. S2 surfaces are olive. Minor thin qtz-dolomite veinlets are parallel S2. Marginal contacts w/ all other units are sharp. 5C is striped green chloritic and grey carbonate-rich — "ZEBRA STRIPED" Thin, discontinuous chlorite streaks in a grey carbonate (dolomitic) matrix. Weathers to a pale tan. locally, adjacent to metabasite have soft, very pale green, noncalcareous, PS2-foliated phyllite.

DDH 89G-23
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: Sept 14/89 Logged By: LCS

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
		119120		114		S2 surfaces are silvery w/ faint green tinge. Very micaceous aspect suggests a pelite protolith. Have gradational contact to soft, PS2-foliated, noncalcareous, dark grey phyllite. S2 surfaces are steely grey.
						TOI - 189.5 Moderately to very broken with good recovery. // 189.5 - 190.5 Mud gouge in metabasite. Contacts lost in rubble. // 190.5 - EOI mud gouge and very broken and rubbly in dark grey phyllite. Recovery looks OK for all of interval.
						Pelite locally very poker chippy
	119120	121013 7 621		115	15A161	(SC46) MINOR (SD46) MINOR
						Moderately hard to hard, dark grey, PS2-foliated, noncalcareous phyllite. S2 surfaces are shiny black and slightly mark the fingers. Contains ovoid black "cherty" nodules elongate in S2 foliation. Minor fine grained veinlets contain some disseminated pyrite. Breaks w/ smooth S2 and breaks as "chunks" rather than fissile plates.
						At 199 contains 3 thin bands of soft, PS2-foliated, pale beige, muscovite-pyrite phyllite. Pyrite as discontinuous streaks in S2. Marginal contacts sharp. At 200.5 have thin band of dark greenish grey metabasite. Contains abundant bright green "fuchsite" streaks.
						Core very broken — moderately poker chippy — recovery OK.
	121013 7	121017 632	4	116	14H113	45
						Siliceous black, noncalcareous phyllite has been "flooded" by fine-grained sulphides. Sulphides make up most of unit w/ carbonaceous, siliceous phyllite as "floating" relicts. Dominantly pyrrhotite with fine irregular pyrite aggregates and streaky sphalerite. Contains abundant angular inclusions of white vein quartz. Sulphide content increases as go down DDH.
						Total sulphides 50-80% Estimated grade 4% (Pb+Zn). Core slightly broken w/ good recovery.

DDH 89G-23 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Sept 14/89 Logged By: KCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	121017 4	121130 649		1117	151D141$	(5A6±1) 90:10 Moderately soft, PS2-foliated, pale tans, slightly dolomitic muscovite phyllite. S2 surfaces are silvery cream. Contains scattered streaks/spots of bright green "fuchsite". Minor scattered pyrite porphyroblasts. Minor 1cm interbands of dark grey, PS2-foliated, noncalcareous phyllite. S2 surfaces are shiny black. Ranges from soft to hard. Marginal contacts w/ SD are sharp parallel S1 — folded by S2. Very similar to Unit = 15 ( ) TOI - 210.5 moderately broken w/ good recovery / 210.5-213 slightly broken but only 0.6 feet recovered. Drilling problem?
	121130	121416 755		1118	151B1216	1 ± $ MINOR (5D46) MINOR Noncalcareous, dark grey to black, PS2-foliated, moderately hard to hard, carbonaceous, siliceous phyllite. Locally contains subrounded, black "cherty" nodules elongate in S2. Locally contains S1 microlithons defined by 1cm pale grey qtz-dolomite siltstone compositional bands. S2 surfaces range from shiny black to silvery grey locally they slightly to moderately mark the fingers. Near 221 have 1cm interval of PS2-foliated, pale olive tan, soft, muscovite-chlorite phyllite. Contains scattered bright green "fuchsite" spots. Core very broken and rubbly. Major recovery problems. 213-217 have 1.5 feet of pebbles w/ recovered core, 217-221.5 only 0.5 feet of rubble, 221.5-228 2.2 feet of rubble, 228-232 3 feet of very broken, very poker chippy core, 232-237 2.4 feet of rubbly core, 237-242 2 feet of very broken and rubbly core, 242-246.5 1 foot of very broken core.
	121416 5	121513 771		1118	151A1611	RUBBLE 2.3 feet of black, hard, carbonaceous phyllite chips. Noncalcareous. S2 surfaces are shiny black. Fault? Fold hinge?

DDH 89G-23 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Sept 14/89 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	121513 0	121610 0 79 2		119	14A1310	± 4 (5A61) 90:10 Rubble & fragments of noncalcareous, very pyritic, carbonaceous qtzite. Could be considered a 4E.15 ± 4. Difficult to determine proportions and textures because everything is rubble. Grade in upper portions of unit. Lower part of unit contains barren siliceous pyrite and siliceous 5A rubble. Overall grade probably 10% (Pb+Zn). Core entirely rubble with poor recovery. 253-257.5 only 1.5 feet of core // 257.5 -261 only 1.2 feet of core.
	121610 0	121714 0 83 5		1210	15A16	9 MINOR Soft, FS2-foliated, noncalcareous, dark grey to black phyllite. S2 surfaces are shiny black to dark steely grey and moderately mark the fingers. Contains compositional bands of qtz w/ coarse pyrite up to 3cm thick. Core very broken and rubbly. Very poker chippy. Breaks into thin, fissile plates. Recovery problems. 261-267 has only 2.2 feet core / 267-271 has only 1.5 feet of core / 271- E.O.I has 2 feet of core. Fault? / Fold hinge?
	121714 0	121817 1 87 5		1211	51B16121	± 4 Dark grey, soft, CS2-foliated, noncalcareous phyllite. S2 surfaces are steely grey. Contains scattered subhedral pyrite porphyroblasts w/ quartz pressure shadows in S2. Quartzose siltstone bands define S1 microlithons. Locally the siltstones are slightly dolomitic. Lower contact gradational into more siliceous phyllite. Moderately broken, moderately poker chippy. Recovery OK. Minor qtz-pyrite veinlets are folded during D2 deformation.

DDH 89-23
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: Sept 14/89 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	121817 1	121913 4		1212	15A16	±1 ± 9
		89 4				CS2-foliated, dark grey to black, noncalcareous phyllite. Micaceous intervals are moderately soft. S2 surfaces are shiny black to steely grey and moderately marks the fingers. Contains dark grey, fine-grained qtzite interbands. Appearance of qtzite is similar to the barren qtzite bands in 4A. Contains thin off-white qtzite bands/veinlets?/ribbons with disseminated sphalerite or pyrite. Estimated grade 1-2% (Pb+Zn) or less.
						TOI-291 moderately broken w/ good recovery // 291-EOI very broken w/ 15cm gouge near EOI. Gouge along steep feature running essentially down the core axis.
						Unit transitional between 5A and 4A.
	121913 4	121918 5		1213	14A14	±3 ± 7 (5A6) minor.
		91 0				Very hard, PS2-foliated, dark grey, noncalcareous, slightly pyritic, carbonaceous qtzite. S2 surfaces are flat black and only slightly mark the fingers. Contains thin bands of off-white qtz-sphalerite ribbons parallel S2. Locally contains 20cm bands consisting laminarily of fine-grained sulphides. Sulphides contain abundant irregular qtzite inclusions. Marginal contacts xcut S2. Contains sphalerite streaks. Upper band laminarily pyrrhotite, lower band pyrite. Sphalerite >> pyrite except for the thick sulphides-rich bands. Estimated grades 6-8% (Pb+Zn).
						TOI-296 mod. broken w/ good recovery // 296-EOI very broken and rubbly with good recovery.
						Small intervals consist of soft, PS2-foliated, dark grey to black phyllite. Contains minor white qtz veins w/ interstitial sphalerite.
	121918 5	131016 5		1214	15A16	9 minor
		93 4				Moderately soft, PS2 foliated, dark grey, noncalcareous phyllite. S2 surfaces are flat black and do not mark the fingers. Contains minor black "clotty" nodules. Locally

DDH B96-23 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Sept 15/89 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
		131016.5		1214		has 1-5cm thick intervals of pale grey gtzose siltstone. Siltstones contain minor disseminated pyrite. Also contains gtz veins folded during D2 Veins have abundant coarse porphyroblastic pyrite.
						TOI - 303.0 mod. to slightly broken w/ good recovery // 303 - EOI Very broken and rubbly w/ gouges. Gouges are irregular - not a major fault.
	131016.5	131214.5 (98.9)		1215	51A119	6 [4AO] (5D4 % MINOR) TUFF
						Hard, non calcareous, PS2-foliated, dark grey phyllite. S2 surfaces are shiny black but do not smear the fingers. Can be barely scratched with a nail. Contains thin white gtz veins/ribbons which contain disseminated galaxite. Estimated grade 4-5% (Pb+Zn) Galaxite > pyrite. Overall looks too phyllitic to be good 4A. But definitely more siliceous than your average phyllite.
						TOI - 309 mod. broken w/ good recovery // 309 - EOI Very broken and rubbly Breaks w/ extensive angular chunks. Some minor gouges present Does have some recovery problems 309-314 only 3 feet rubble / 314-317 3.4 feet of rubble spread out / 317-324 4 feet of rubble. / 324-324.5 1.5 feet of core w/ note of cave occurring. Possible fault?
						Upper part of interval has thin pale beige interbands of muscovite-dolomite phyllite. S2 surfaces are silvery cream. Soft, slightly dolomitic, PS2-foliated highly altered 5D metabasite
	131214.5	131217.0 (99.7)		1216	51D141	
						Soft, PS2, foliated, pale beige, slightly dolomitic, muscovite-dolomite phyllite. S2 surfaces are pale silvery beige. Contains thin discontinuous pyrite streaks along S2 and in cutting fractures. Minor gtz-dolomite pegmatitic veinlets Highly altered 5D metabasite. Core slightly broken w/ good recovery.

DDH 89G-23-2-8

CURRAGH RESOURCES INC.

Lithologic Log

Date: Sept 15/89 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	131217 0	131314 8 102 4		1217	5D101	Soft, calcareous, PS2-foliated, pale olive, chloritic phyllite. Continuation of previous unit only not extensively altered. S2 surfaces are pale olive. Homogeneous. Contains minor thin qtz-calcite veinlets parallel S2. Lower marginal contact is sharp. Core slightly broken w/ good recovery.
	131314 8	131419 0 106 4		1218	5B1018	± B10 (5DO) MINOR Soft, calcareous, poorly CS2-foliated, pale grey phyllite. S2 surfaces are silvery grey. Cut surface has definite greenish tinge when wet. S1 microlithons defined by pale grey to greenish grey qtz-calcite siltstone bands. Unit contains minor disseminated brownish biotite which is locally and sporadically developed. Contains minor thin interbands of pale olive, soft, PS2-foliated, calcareous chloritic phyllite. S2 surfaces are pale olive. TOI-339 very broken w/ 10cm gauge intervals. Only 3 feet core recovered. // 339-EOI. moderately broken, moderately polish chippy w/ very minor incipient gauge. Recovery good.
						Major rock change occurs @ 3245 in DDH
						EOH

Page _____ of _____

DDH 89-6-23 (2 8) CURRAGH RESOURCES INC.

Structural Log Date: Aug 21/89 Logged By: A. Reznik

Code	From	To (feet)	Feature	Sym	S_0 Dip Direct.	S_1 Dip Direct.	S_2 Dip Direct	Description
1	10 14	16 20	22 24	26	28 32	34 38	40 44	
		1419	PS12				614	micaceous laminations present.
		1711	PS12				59	
		1917	CS12	S		29 3010	711	micaceous laminations present.
		11315	CS12	S		413 3012	617	" " "
		11316	AS12				615	" " "
		11519	PS12				65	S_2 defn'd by comp banding.
		11913	PS12				615	micaceous laminations present.
		11918	PS12				714	S_2 defn'd by (altered musc) lamination
		12814	CS12	S		319 2810	814	micaceous laminations present.
		12991	CS12	S		311 3512	611	" " " + comp bandin
		13134	PS12				615	S_2 defined by comp banding
		13144	PS12				717	S_2 defined by fine 'altered' musc layers & comp. banding.
						EOH		

C.R.I. 1987 E-4

DDH 89G-23 CURRAGH RESOURCES INC. Page ____ of ____

Logged by LCO

ASSAY LOG (SAMPLER'S COPY) Date Sept 15/89 Sampled by ____

CODE	FROM	TO	SAMPLE	INTR.	REC (m)	UNIT	DESCRIPTION
1	10 C 14	16 3 0 20	22 — 26	28 — 30	32 — 34	36 WASTE 40	42
	1108.5	1132.1	371354	52	1.6 52	41A101	
	1101.52	1113.45	371355	83	1.8 60	41A101	
	1131.46	1162.1	—	—	T	WASTE	
	1206.21.7	1216.32.4	371356	137	1.1 37	41H1314	5
	1163.2	1177.1	—	—	—	WASTE	
	1215.77.0	1216.79.0	371357	70	0.9 80	41A1301	±4
	1179.2	1187.5	—	—	—	WASTF	
	1218.87.1	1219.89.4	371358	63	1.1 63	JTA161	1 ± 9
	1219.34	1219.91.5	371359	51	1.3 49	41A141	±3 ±7
	1191.0	1194.3	—	—	—	WASJTE	
	1310.64.5	1311.40.7	371440	75	2.3 75	51A11916	
	1311.40	1311.76.6	371441	130	0.9 80	51A11916	
	1311.70	1312.10.8	371442	40	0.6 20	51A11916	
	1312.10	1312.48.9	371443	35	1.5 32	51A11916	
	1198.9	1106.4	—	—	—	WASTE	
							EOH

C.R.I. 1987 E-5

PROJECT _____ DRILLHOLE NO. DDH 89 6-23 COORDINATES: N _____ DATE Aug 21/89

LOCATION _____ HOLE SIZE _____ E _____ PAGE 1 of 3

LOGGED A. Reznik INCLINATION _____ ELEVATION _____

PITEAU & ASSOCIATES
GEOTECHNICAL CONSULTANTS
VANCOUVER CALGARY

GEOTECHNICAL CORE LOG

DEPTH (TO)	LENGTH OF RUN	CORE RECOVERY		RQD		FRACTURES	DEGREE OF BREAKAGE		DEGREE OF WEATHERING	ROCK TYPE	BEDDING DIP		BEDDING JOINTS		CROSS JOINTS		COMMENTS
		LENGTH	%	LENGTH	%		CATEGORY	NO.			DEPTH	ANGLE	NO.	FREQ.	NO.	FREQ.	
46	46	3.4		0			6		D							1	
52	6	5.1		0			6		D							1	
54	2	2		0			6		D							2	
57.5	3.5	3.5		0			6		E							2	
62	4.5	2.5		0			6		E							1	
67	5.0	2.6		0			6		E							1	
69	2.0	1.5		0			6		E							0	
72	3.0	3.0		0			6		E							0	
73	1.0	1.0		0			6		E							0	
77	4.0	1.6		0			6		E							0	
81	4.0	0		0			—		—							0	
82	1.0	0		0			—		—							0	
87	5.0	2.0		0			6		E							1	
90	3.0	3.0		0			6		E							1	
92	2.0	2.0		0			6		E							0	
96	4.0	2.0		0			6		E							0	
100	4.0	4.0		.85			7		E							0	
102.5	2.5	2.5		0			7		E							2	
106	3.5	3.1		0			7		E							0	
108	2.0	2.0		0			5		D							0	
112	4.0	1.4		0			5		D							0	
117	5.0	5.0		0			7		D							1	
121	4.0	4.0		0			1		F							0	
123	2.0	2.0		0			6		E							1	
125	2.0	2.0		0			6		E							0	
130	5.0	1.4		0			5		E							0	
141	11.0	3.6		0													

Fig. 1. Typical rock mechanics core log.

PROJECT _____ DRILLHOLE NO. DDH 89-6-28 COORDINATES: N _____ DATE Aug 21/89

LOCATION _____ HOLE SIZE _____ E _____ PAGE 2 of 2

LOGGED A. Reznik DECLINATION _____ ELEVATION _____

PITEAU & ASSOCIATES
GEOTECHNICAL CONSULTANTS
VANCOUVER CALGARY

GEOTECHNICAL CORE LOG

DEPTH (TO)	LENGTH OF RUN	CORE RECOVERY		RQD		HARDNESS	DEGREE OF BREAKAGE		DEGREE OF WEATHERING	ROCK TYPE	BEDDING DIP		BEDDING JOINTS		CROSS JOINTS		COMMENTS
		LENGTH	%	LENGTH	%		EXTENT	NO.			DEPTH	ANGLE	NO.	FREQ.	NO.	FREQ.	
134 136	2.0	2.0		0			6		E							1	
141	5.0	5.0		0			6		E							0	
145	4.0	4.0		0			7		E							0	
150.5	5.5	5.5		0			7		E							0	
151	.5	.5		0			6		E							0	
156	5.0	5.0		1.05			9		E							1	
161.5	5.5	5.5		0			7		E							0	
164.5	3.0	2.5		0			7		E							0	
169.5	5.0	5.0		.35			7		E							0	
174.5	5.0	5.0		.35			7		E							0	
180	6.5	5.5		.4			7		E							0	
185	5.0	3.0		0			7		E							0	
190.5	5.5	2.6		0			7		E							0	
192.5	2.0	1.8		0			6		E							0	
196	3.5	3.5		0			6		E							0	
198.5	2.5	1.5		0			6		E							0	
201	2.5	2.3		0			6		E							0	
204.5	3.5	2.6		0			6		E							0	
210.5	6.0	5.0		2.15			9		E							0	
213	2.5	.7		.5			9		E							0	
217	4.0	1.2		0			6		E							0	
221.5	4.5	.6		0			6		E							0	
228	6.5	2.2		0			6		E							0	
232	4.0	2.8		0			6		E							0	
236	4.0	2.4		0			6		E							0	
242	6.0	2.1		0			6		E							0	
246	4.0	.7		0			6		E							0	

Fig. 1. Typical rock mechanics core log.

PROJECT _____ DRILLHOLE NO. DDH 89623 COORDINATES: N _____ DATE Aug 21/89

LOCATION _____ HOLE SIZE _____ E _____ PAGE 3 of 3

LOGGED A. Beznik INCLINATION _____ ELEVATION _____

PITEAU & ASSOCIATES
GEOTECHNICAL CONSULTANTS
VANCOUVER CALGARY

GEOTECHNICAL CORE LOG

DEPTH (m)	LENGTH OF RUN	CORE RECOVERY		RQD		HARDNESS	DEGREE OF BREAKAGE		DEGREE OF WEATHERING	ROCK TYPE	BEDDING DIP		BEDDING JOINTS		CROSS JOINTS		COMMENTS
		LENGTH	%	LENGTH	%		CATEGORY	NO.			DEPTH	ANGLE	NO.	FREQ.	NO.	FREQ.	
253	6.5	4.8		0			2		F							0	
257.5	4.5	1.3		0			6		F							0	
267	1.5	1.5		0			6		F							0	
271	5.0	1.5		0			6		F							0	
275	4.0	3.1		0			6		F							0	
280	5.0	5.0		.70			7		F							0	
283 / 283	2 / 1	.6 / 1.6		0 /			7 / 7		F / F							1/0	
285.5 / 285.5	2.5 / 2.5	2.5 / 2.5		.35 /			9 / 9		F / F							2/0	
291 / 293	3 / 2	3 / 2		0 / .5			7 / 7		F / F							0/0	
298.5	5.5	5.5		1.4			9		F							1	
303.8	5.3	5.3		1.95			9		F							1	
309	5.2	5.2		.70			8		F							0	
314	5.0	3.0		0			6		F							2	
317	3.0	2.8		0			6		F							1	
321	4.0	2.7		0			6		F							0	
324.1	3.0	2.2		0			6		F							0	
324.5	.5	.5		0			6		F							0	CAVE
328.5	4.0	4.0		1.5			10		F							1	
334	5.5	5.0		1.95			10		F							1	
339	5.0	2.9		0			7		F							0	
344	5.0	5.0		0			7		F							1	
349	5.0	5.0		.85			8		F							0	
									— EOH —								

246.5

Fig. 1. Typical rock mechanics core log.

89-G-24

CURRAGH RESOURCES INC.

Page 1 of ____

DIAMOND DRILL CORE LOG

Date: _____

Hole Number: 89 G-24

Reference Fabric Orientation Diagram:

Project: 1989 GRUM FILL-IN

Location: _____

Claim: _____

Terr.Plane Co-ords.: 6,904,943.879 N 6,210.69 N

592,504.880 E 2,834.52 E

Grid Co-ords: 68W / 7+50N

Elevation: 1289.512

All symmetry determinations looking

Total Depth: 382 feet

_____ with _____ dipping

Inclination: -90 VERTICAL

_____ with dip azimuth _____.

Purpose: _____

Reason hole Terminated: Drilled through ore

Logged by: _____ Date(s) Logged: _____

Drilling Contractor: ARCTIC

Hole Cemented: No Steel down Hole: No

Assay Lab: _____

Certificate No's: _____

Size	CORE From	To
NW	0	110 feet
NQ	110	382 feet

Collar Cased and Capped: No

Started: Aug 14/89 Completed: Aug 15/89

CURRAGH RESOURCES INC.

Diamond Drill Core Log

Date: _____ Logged By: _____

DDH 89G-24

Code	Drillhole	Elevation	Northing	Easting	Units (feet/metres)	R.F.E.	
1	2 8	10 16	17 24	25 32	34 39	41 42	
T	89G-24						

FEET

Code	Drillhole	Depth	Zenith Angle	True Azimuth	Comments
1	2 8	10 14	22 26	28 32	34 56
R	89G-24	100	-91.0	90.0	AT COLLAR
R		3165	-81.4	183.0	SPERRY SUN
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	

Code	Drillhole	Comments, Errant Remarks, Snivellings and / or Lewd Suggestions
1	2 8	10 56

DDH 89G-24 (2 8)

110 from shift report

CURRAGH RESOURCES INC.
Lithologic Log

Page 03

Date: SEPT 30/89 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	1010 0	1118 0		1	#	TRICONED - NO RECOVERY
		1133 5				
	1118 0	1118 4		2	#	1 Rebilled 2" 10AB O/B fragment.
		1136 1				
	1118 4	1135 2		3	5B 2 1 0	(5D0) 75 25
		1141 2				Medium to dark, grey, mod⁻ carbonaceous, mod⁻ soft, locally CS2 foliated, moderately calcareous, minor phyllite. Contains local thin white lithons defined by qtz + lesser calcite. S2 surfaces medium - dark shiny grey.
						Interbanded w 5B are thin pale green + white striped calcareous chloritic phyllite. Contains abundant lithons + bands defined by qtz + calcite. Bands range from 5" to 1.5' thick, marginal // to S2.
						Core v. broken along S2 + local fractures, 1.0' of core loss.
	1352	1379		4	14A4	(4D4) (4L624) (4G4#) 70 : 20 : 10 : TRACE
		1420				70Z - 135.2 is mod⁻ soft, light pale green, calc>mica altered phyllite. Contains abundant thin bands + stringers of qtz + py + sph + gal.
						135.2 - 135.4 is thinly PS2 banded, v. calcareous, massive barite / pyritic S⁼ within barite S⁼ is highly broken + fractured pegmatitic qtz vein.
						135.4 - 137.2 is black, m hard, CS2 banded and foliated, carbonaceous qtzite. Banding consists of py > sph + gal v. interstitial fine qtz. Banding 25 - 30% of unit volume

DDH 89-G-24
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: SEPT 20/89 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						generally < 1cm thick. Sz surfaces shiny black. Abundant thin fractures infilled w/ calcite.
						✓ 127.2 → EOI section has been "rooked" out of 44 against altered metabasalt bench.
						Est %Py+Zn for entire interval 8-10%.
						Core is broken, recy good No obvious faults.
	113179	114134		15	41E416	# 8 minor (4L624) 85:15
		437				High grade, banded, calcareous, massive pyritic sulphides.
						Banding defined by variations in Dol, Sph+Gal, and calcite
						content. Within massive Sz are large white-tan irregular
						dol+qtz clasts. Banding defines 2-3 phase 2 fold
						hinges. Bottom contact Brec'd.
						141.0 → 141.4 is light pale green-grey altered chl>
						musc phyllite. Massive ~ Sz // to Sz. Contains local
						thin stringers + bands of qtz+py+ minor sph+gal. Near
						upper contact is 1 large angular clast of 4L
						"floating" in massive py Sz.
						Est %Py+Zn 10-12% for entire interval.
						Core mod broken, 0.5' core loss
	114134	115127		16	41L10	
		465				Mod soft, PSz foliated, noncalcareous, altered musc+chl phyllite
						Sz surfaces dull mottled light grey-green. Minor "talcose"
						coatings on Sz. Unit is buff-grey green. Local minor carbon.
						Core is broken, 3.9' recd.

DDH BAG-24

CURRAGH RESOURCES INC.

Lithologic Log

Page 05

Date: SEPT 20/88 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	11512 7	11519 7		17	4A10	I 4
		48 7				Mod hard, black, CS_2 foliated, ribbon banding carbonaceous qtzite. Ribbon banding defines S_1 + S_2. Banding up to 2 cm thick, defined by dominate py ± sphal ± interstitial fine qtz. Bands 40% of unit volume. S_2 surfaces dull dark grey → black. Est Pb + Zn ranges from 3-8%
						Bottom 2.0' of unit contains abundant, thin micaceous foliations // to S_2.
						TOI → 154.5 ~ broken, recy O.K
						154.5 → EOI ~ broken, recy O.K
	11519 7	11613 1		18	5A11	96 (4A4) 60:40
		49 7				TOI → 161.5 is mod hard, siliceous, black, poorly banded, micaceous, carbonaceous phyllite. Unit is highly fractured. Fractures are thin, steep + healed by fine qtz + py. Contains local lithons defined by fine qtz + py ± minor sph + gn (. S_2 surfaces carbon black. Est % Pb/Zn 1-2%
						161.5 → EOI is ~ hard, PS_2 banded, carbonaceous qtzite. Banding is thin, generally < 1.0 cm, defines S_2 and consist of py > sphal and + interstitial fine qtz. S_2 extensively re-mobilized into abundant steep fractures.
						Est % Pb+Zn 8-10%. Est % Py 20%.
						Core ~ broken, recy good.
	11613 1	11619 7		19	5B10	± 2 ± 7 minor.
		51 7				Mod soft, light to locally dark grey, locally slight

DDH 88-32 (2 of 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: SEPT 20/88 Logged By: CWR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						green tinge, slightly calcareous musc + chl phyllite. Local microlithons defined by qtz + minor calcite. Sz surfaces range from light silver grey to locally dark grey. Locally Sz surfaces have slight green tinge in carbon poor intervals. No obvious faults, local thin fractures infilled w qtz ± cc. Core in broken along Sz. Recy good.
	11619 7	11714 5		110	151A1619	1
		532				Highly fractured, black, mod soft to locally hard, CSz foliated, siliceous, noncalcareous, carbonaceous phyllite. Contains local abundant thin qtz + py + sph+gal bands // to Sz. Qtz + py + sph+gal also infill abundant thin anastomosing fractures. Sz surfaces dark grey to black. S= content increases moving down interval. Est % py 5-6%. Est Pb+Zn 2-3%. Core in broken, recy good.
	11714 5	11719 1		1111	14D10	"Micaceous" (SC4#$) 95:5
		546				Dominate unit is highly fractured, light grey, thinly PSz bonded, mod hard, micaceous graphite. Bands generally < 1/2 cm, defined by py ≥ sph + gal + interstitial qtz. S= extensively re-mobilized into abundant thin anastomosing fractures. Contains abundant thin micaceous laminations aligned // to Sz. Est % Pb+Zn 6-8%. Est % py 15%.

DDH 89G-24

CURRAGH RESOURCES INC.
Lithologic Log

Page 07 of

Date: SEPT 20/89 Logged By: CWR

Code	From	To	Recov.	No.	Unit	Description
						175.4 → 179.4 is pale olive green + tan stained, mod soft, calcareous / dolomitic altered metabasite band. Margins are sharp // to S_2.
	1791	1838 / 560		12	4E46	FF ± minor Bxa (4D0 # Bxa) 70:30
						TOI → 180.4 massive, fine grey, mod baritic, banded pyritic sulphides. Banding defined by varying calcite, barite, sph+gal, concentration. Contains local small clasts of white fine quartz "floating" in massive $S^=$ matrix. Banding is thin, < ½ cm. defines S_2.
						180.4 - 181.6, is brecciated, calcareous, micaceous, poorly banded light grey qtzite. Contains local large highly fractured, angular qtz + cc vein "clasts". Banding is highly disrupted, by late fractures. defined by fine py + sph > gal + interstitial grey qtz. Margin in massive $S^=$ bxa'd. $S^=$ extensively re-mobilized into thin steep fractures.
						181.6 → EOT is dark brown grey, mod hard, locally baritic, massive pyritic $S^=$. Poorly banded - defined by honey sph, barite + calcite rich intervals // to S_2. Contains local angular small massive Po "clasts". Also contains local white subrounded small qtz clasts suspended in massive py $S^=$.
						Est Pb + Zn - Entire Interval 10 - 12 %.
						Core is broken, recovery good.

DDH BQ-90-24

CURRAGH RESOURCES INC.

Lithologic Log

Date: SEPT 20/89 Logged By: CUR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	118.13	118.62		113	15B16	±2 ±4 ± 9 ± 7 minor
		56 8				Mod^{ly} salt, light grey, locally green, locally dark grey →
						black, locally altered, nonreactive mass ± chl phyllite Unit becomes
						gradually darker moving down the interval due to increasing
						carbon content. Top 8.0" of interval altered to pale
						green-grey chloritic phyllite. Within this interval is local thin
						fragmented pcy. qtz veins.
						Fine Py + Sph infill local fractures
						Est % Pb + Zn 1-2% Maybe.
						S_2 surfaces range from light silvery grey green to
						dull dark grey near EOI.
						TOI 184.2 ū broken 0.5' recd.
						184.2 - EOI m broken, rocky gravel.
	118.62	118.192		114	14D10	± # ± // ± 3 "micaceous" (446124) 90:10
		57 7				Dominate unit is mod^{ly} banded, micaceous, chloritic
						banded, qtzite. S^2 bands defined by dominate fine
						pcy, minor sph/gal + minor interstitial fine qtz. Bands
						range up to 10 cm thick and define S_2 Contains abundant
						thin micaceous foliations aligned // to S_2. Local thin intervals
						contain minor interstitial calcite + dolomite.
						S^2 bands 30-40% of unit volume. Est % Pb+Zn
						6-7% dominately sph
						Centered at 186.5 is 8" thick band of pale
						green-grey, nonreactive altered chl/musc phyllite. Thinly
						PS2 laminated, contains abundant thin bands and stringers

DDH 89-24
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: SEPT 20/89 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						of fine py + minor sph + gal aligned // to S_2. Margins of
						4L // to S_2
						Core is broken, very good.
	11818 2	11940		115	15B16	$
		59 1				Medium grey, thinly PS_2 laminated, noncalcareous, muscovite phyllite. S_2 surfaces medium steel grey. Contains local minor microlithons defined by qtz + minor dol. Contains abundant thin qtz + minor siltstone bands aligned // to S_2.
						TOI → 191.6 m broken, very good.
						191.6 → EOI ū broken, very good
	11940 0	11915	6	116	15C14	$
		59	6			Dull green grey + white tan striped, dolomitic, altered mafic basite. Margins sharp. // to S_2. Striping defined by alternating chl + qtz + dol bands - generally < 5 mm aligned // to S_2.
						Core ū broken, very good.
	11915 6	11918	5	117	14E1/4	$ Breccia
		60	5			Large angular banded dolomitic qtzite clasts in matrix of poorly banded, calcareous fine grained massive S=. Clasts range up to 15 cm ϕ - massive S= forms ductile flow breccia around clasts. Clasts are highly fractured. Fractures infilled by fine py + gal + sph. Banding in massive S= defined by concentrations of sph + gal + calcite

DDH BGC-24

CURRAGH RESOURCES INC.

Lithologic Log

Date: SEPT 20/89 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Est Pb+Zn 8-10%
						Core ~ broken, recov good.
						Qtz-ds/ clasts are 25-30% of unit volume.
	1198 5	1201 4 0		118	14K 611	24 Bxa.
		622				Mod soft, buff green-grey, altered musc ± chl phyllite breccia.
						Contains abundant thin steep fractures - fragments show some rotation.
						Locally abundant qtz + pyrrhotite infill fractures. Locally
						gouged along fractures.
						Est % Pb+Zn 2-3% Likely not a significant
						fault.
						Core ~ broken. 3.4' rec'd
	1201 4 0	1201 6 7		119	14L 616	
		630				PSz foliated, buff green-grey, altered chl musc phyllite. Sz
						surfaces dull green-grey - local "talcose" coatings. Unit is
						Mod soft. Contains local fragmented pegmatitic qtz veins
						up to 3cm thick.
						204.0 → 204.3 white powdery core.
						204.3 → EOH ~ broken, recov O.K.
	1201 6 7	1211 4 6		120	15B 216	±8% minor (5B7 ± 8% minor) 80:20
		654				Dominant unit is dark grey, mod soft, locally
						CSz foliated, mod carbonaceous phyllite. Sz surfaces dark grey
						to black. Contains local thin qtz + dark siltstone bands
						and lithons. Intersected on a scale of 5cm to 35 cm

DDH 89-27 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: SEPT 21/89 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						are pale light green-grey, noncalcareous, musc + chl phyllite intervals. Margins are // to S_2. Appear texturally similar to 5826 except carbon is lacking.
						Core v broken, 4.9' recd.
	21.4 6	214.9 4		1211	15B10	± S_1 ± 2 minor (5807 Bio) 85 : 15
		76 0				Dominate unit is medium grey, locally CS_2 foliated, mod- calcareous, locally mod- carbonaceous musc phyllite S_2 surfaces range from light steel grey to locally shiny dark grey. Contains local lithons defined by qtz + calcite ± dol siltstone bands and laminae.
						To be banded in intervals ranging from 3cm to 50cm is light pale green-grey, calcareous, CS_2 foliated musc+chl phyllite S_2 surfaces are clotted medium-dark green-grey. Contain local fine biot. te developed within calcite rich siltstone bands + laminae. Margins v darker 5B0 ± 2 are gradational over 2-5cm defined by gradual lightening of the unit. 5807 bands contain more abundant qtz + calcite lithons.
						TOI → 217.3 v broken along S_2 1.5' core loss.
						217.3 → 242.4 m broken, recy good.
						242.4 → EOJ v broken along S_2 and local steep fractures. Recy good

DDH 89G-24

CURRAGH RESOURCES INC.

Lithologic Log

Date: SEPT 21/89 Logged By: CUR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	12419	12513 9		122	15D13	B10.
		77 4				Mod soft, thinly PSz laminated, pale green, v calcareous, chloritic phyllite. Sz surfaces are shiny pale green. Abundant calcite occurs disseminated bands up to 5cm thick aligned // to Sz. Fine brown biotite laminations occur within more calcite rich bands. Margins sharp, // to Sz
						TOI → 252.0 v broken 2.1' rec'd
						252.0 → EOI m broken, very good
	12513 9	12818 6		123	15B16	± 5% minor (5D34 B10)
		88 0				Medium grey, semilaminar, locally CSz foliated, micaceous phyllite. Sz surfaces medium steel grey. Contains local minor thin siltstone bands & laminae defined by white fine gtz + dol. locally, bands and laminae define lithons.
						282.5 → 283.1 is band of v calcareous, v soft, dull grey-green, biotitic, chloritic phyllite. Same as #22 except softer and more altered due to steep fracture. Margins // to Sz.
						TOI → 267.2 m broken very good
						267.2 → 275.0 v broken, locally "poker chippy", very O.K.
						275.0 → 279.5 m broken, very good
						279.5 → 282.5 v broken 20' rec'd
						282.5 → EOI m broken along Sz. very good

DDH 89-G-24
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: SEPT 21/89 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	12818 6	12910 7		124	14L10	± 6 ± 24 minor ± GOUGE.
		886				Mod⁻ soft, locally sanded, altered musc + chl phyllite. Locally, chl > musc. PS2 foliated. Nonreactive. Contains local minor thin bands // to S2 defined by qtz + minor py + minor sph+gal. Bottom 4" against massive 5= is white powdery gouge. Margins of gouge // to S2?
						Core ṽ broken ṽ local gouge, 1.9' recd.
	12910 7	12942		125	14E14	# ± 6.
		897				Thinly PS2 banded, dull brown, calcareous, massive pyritic sulphides. Top 1.5' of unit contains abundant chips/stringers calcite. Also contains thin bands ṽ diss⁻ tacite. Remaining unit more py rich, contains local "suspended" small white clasts of qtz. Clasts generally < 3mm ø. Calcite occurs in thin diffuse bands + streaks // to S2. Bottom 8" of unit contains abundant diss⁻ sph+gal + minor Ba in thin bands // to S2.
						Est grade for entire interval 6-8 oz/T.
						TOI → 293.0 ṽ broken along local steep fracture. Recy good.
	12914 2	13014 2		126	14A14	(4D4) (5A6 I 9) 80:20: TRACE.
		927				TOI → 295.5. Thinly banded, ṽ hard, light grey, high grade, pyritic qtzite. Bandings ranges up to 2cm thick aligned // to S2. Bands are generally all sph & or all py, but not both. S= extensively re-mobilized

CRL 1987 E-7A

DDH 89-6-24
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: SEPT 21/89 Logged By: CUR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						into late steep fractures. Banding is 25-30% of unit volume.
						Est Pb + Zn 12%, Dominately Sph.
						295.5 → EOI ṽ high grade, sph rich, ribbon banded,
						black carbonaceous qtz.sk. Banding is generally < 1 cm thick,
						defined by abundant red sphalerite + lesser py + interstitial
						fine qtz. Bands aligned // to $S_1 + S_2$. Relict
						laths $S^{=}$ have been extensively remobilized into late
						thin anastomosing fractures.
						Est Pb + Zn 15-16%, Dominately Sph.
						Centered at 298.2 is 4" thick band of, nonlaminated
						black, moderately banded, carbonaceous phyllite. Margins // to S.
						Contains local thin bands defined by qtz + diss py +
						minor dol.
						TOI → 303.3 ṽ broken, recvy good
						303.2 → EOI ṽ broken, recvy good
	13014 2	13018 2		1217	14E14	bf
		93 9				
						Thickly banded, moderately barite, massive pyrite $S^{=}$.
						Banding ranges up to 15 cm thick defined by concentrations
						of sph-gal + minor ba + dolomite. Margins of bands parallel to
						S_2. Contains local small white "clasts" of dol + qtz
						up to 1 cm ϕ.
						Est Pb + Zn 7-8%.
						Near EOI is steep polished fracture trending 16°/210
						w.r.t. S_2. Slicks trend 34° to core axis
						Core ṽ broken recvy good

DDH BQ-G-34

CURRAGH RESOURCES INC.

Lithologic Log

Date: SEPT 21/89 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	1310 B2	1331 57		12B	15 B16 18	± 2 minor ± GOUGE minor
		1023				Mod⁻ soft, noncalcareous, medium grey → locally dark grey, dominantly PS_2 foliated, locally CS_2 foliated, musc. phyllite. S_2 surfaces shiny steel grey - locally shiny dark grey. Contains abundant thin qtz ± minor dolomite siliceous bands and laminae. Locally, laminae define microlithons. Dol infills local thin X-cutting fractures.
						TOI → 312.0 is flaky, v soft, phyllite sauce. Bottom ore contact is faulted. Only 1½' of sauce rec'd.
						312.0 → EOI v broken, very gravel.
	1331 57	1360 4		12 19	14 L6	± 5 minor ± "stringered" [SD 74 ± 0 ± B10]
		1098				Unusual rock type. Buff green-grey, mod⁻ soft, locally CS_2 foliated, locally stringered, locally slightly calcareous. altered chl + bio > ms + qtz phyllite. Contains abundant pale green chlorite in thin bands and laminations. Locally chl bands define lithons. Locally, chl → bio. Biotite forms as thin laminations // to S_2. Locally within these bands is minor interstitial calcite. Local v minor small subrounded pink garnets occur within chl-bio rich bands. Occurring intermittently throughout are thin qtz > fine P_y "stringers" and bands. Bands commonly define lithons. Traces of C_{py} infill local thin fractures.
						Est % P_y 1-2%.
						Core v broken, very gravel.

DDH 89G-24
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: SEPT 21/89 Logged By: CUR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
		1318 R 0		1310	151316	± $ minor ± BIO TRACE (SD4) 95:5
		116 4				Dominant unit is light grey, PSZ foliated, mod soft, noncalcareous, massive, phyllite. Sz surfaces range from light to medium shiny steel grey. Contains local microlithons foliated by thin qtz ± dol laminations. Dol + qtz in Rill local late steep fractures. In bottom 5.0' are two thin pale green-tan weathered dolomitic/chloritic phyllite bands. Margins of bands // to Sz.
						SB contains local, minor development of thin brown biotite foliation // to Sz.
						TOT → 373.0, ~ broken, very good
						373.0 → 375.0 ~ broken along steep fracture, very good
						375.0 → EOH ~ broken, very good
						EOH

DDH 89-6-24 (2 / 8) CURRAGH RESOURCES INC. Page ____ of ____

Structural Log Date: Aug 21/89 Logged By: A. Reznik

Code	From (Feet)	To (Feet)	Feature	Sym	S_0 Dip Direct.	S_1 Dip Direct.	S_2 Dip Direct	Description
1	10–14	16–20	22–24	26	28–32	34–38	40–44	
		11250	CIS12	S		43 11110	80	Thin micaceous laminations present 11 to S_2
		11460	RS13	-		S_3 318 T	T	S_3 defined by thin silvery laminations.
		11610	CIS12	S		413 11313	710	Thin micaceous lamination 11 to S_2 present
		11910	RS12	-		T ⊓	60	" " " " " " "
		11914	CIS12	M		111 ⊓	410	Micaceous laminations present.
		11914	⊓	-		T ⊓	T	Fold Nose Present.
		12165	CIS12	Z		413 11118	715	Micaceous laminations present.
		12312	CIS12	S		512 31312	72	" " " also present.
		12610	CIS12	S		614 01515	719	" " " "
		12718	RS12	-		T ⊓	716	S_2 defined by micaceous laminations and comp banding
		12917	RS12	-		T T	710	S_2 defined by Py & Sph banding.
		13216	RS12	-		T T	618	S_2 defined by thin micaceous laminations 11 to it.
		13415	RS12	-		T ⊓	719	S_2 defined by comp banding present.
		13512	RS12	-		T T	619	S_2 defined by 'altered' musc laminations.
		13715	CIS12	S		413 31410	718	S_2 defined by thin laminations 11 to it & by the fine 'altered' musc laminations.
						EOH T		

C.R.I. 1987 E – 4

DDH 89G-24 (2 8) CURRAGH RESOURCES INC. Page 1 of 1

Logged by CUR

ASSAY LOG (SAMPLER'S COPY) Date SEPT 21/89 Sampled by

CODE	FROM	TO	SAMPLE	INTR.	REC (m)	UNIT	DESCRIPTION
	10 0 14	16 41. 20	22 26	28 30	32 34	36 ASTE 40	42
	41.2 / 113 15 2	42.0 / 113 17 9	3 7 2 3 2	12 7	2 7	1 14 A H	(4D4) (4L624) (4G4 #) 70:20:10 RARE
	113 17 9	43.2 / 114 15 7	3 7 2 3 3	15 5	3 7	4 E 14 16 #	& minor (4L624) 85:15
	1 14 3 7	46.5 / 1 14 6 5	—	—	—	WASTE	
	46.5 / 115 12 5 7	47.4 / 115 15 4 5	3 7 2 3 4	12 8	2 8	1 14 A 10	± 4
	115 15 5	48.7 / 115 19 7	3 7 2 3 5	14 2	2 2	1 14 A 10	± 4
	115 19 7	49.3 / 116 13 7	3 7 2 3 6	13 4	3 4	15 A 11 19	6 (4A4) 60:40
	1 14 9. 7	1 15 1. 7	—	—	—	WASTE	
	51.7 / 116 19 7	53.2 / 117 14 5	3 7 2 3 7	14 3	4 8	15 A 16 19	1
	117 14 5	54.6 / 117 19 1	3 7 2 3 8	14 6	4 3	14 D 10 1	"microveins" (5C4 #8) 95:5
	117 19 1	56.0 / 118 13 8	3 7 2 3 9	14 7	4 7	14 E 14 16	# ± 7 minor Bxa (4D0 # Bxa) 70:30
	118 13 8	56.6 / 118 16 2	3 7 2 4 0	12 9	2 5	1 15 B 16	± 2497
	118 16 2	57.3 / 118 19 2	3 7 2 4 1	13 0	3 0	1 14 D 10	± # ± $ ± 3 microveins
	1 15 7 7	1 15 9 6	—	—	—	WASTE	
	59.5 / 119 15 6	60.5 / 119 18 5	3 7 2 4 2	12 9	2 5	14 E 11 14	$ Bxa
	1 16 0 5	1 16 3 6	—	—	—	WASTE	
	120 7 6	121 4 2	3 7 2 4 3	13 5	3 5	14 E 14 1 #	± 6
	121 4 2	121 7 6 2	3 7 2 4 4	13 0	3 0	14 A 14 1	(4D4) 50:50
	121 7 2	131 1 0	3 7 2 4 5	13 8	3 8	14 A 14 1	
	131 1 0	131 4 2	3 7 2 4 6	13 2	3 2	14 A 14 1	
	131 4 2	131 8 2	3 7 2 4 7	14 0	4 0	14 E 14 16	$
	1 19 3. 9	1 11 6. 4	—	—	—	WASTE	

C.R.I. 1987 E-5

PROJECT _____ DRILLHOLE NO. DDH 89 624 COORDINATES: N _____ DATE Aug 21/89

LOCATION _____ HOLE SIZE _____ E _____ PAGE 1 of 3

LOGGED A. Bazik INCLINATION _____ ELEVATION _____

PITEAU & ASSOCIATES
GEOTECHNICAL CONSULTANTS
VANCOUVER CALGARY

GEOTECHNICAL CORE LOG

DEPTH (To)	LENGTH OF RUN	CORE RECOVERY		RQD		FRACTURES	DEGREE OF BREAKAGE		DEGREE OF WEATHERING	ROCK TYPE	DIPPING BEP		DIPPING JOINTS		CROSS JOINTS		COMMENTS
		LENGTH	%	LENGTH	%		CATEGORY	NO.			DEPTH	ANGLE	NO.	FREQ.	NO.	FREQ.	
122	122	3.6		0			6		F							0	
127	5.0	5.0		.35			6		F							1	
132	5.0	5.0		0			7		F							3	
134	2.0	2.0		.5			7		F							0	
134.5	.5	.5		0			6		F							0	
136.5	2.0	1.6		0			6		F							0	
141	4.5	4.5		0			7		F							1	
141.5	.5	0		0			0		—							0	
147	5.5	5.5		.5			7		F							0	
149	2.0	1.7		0			6		F							0	
152	3.0	1.6		.6			[illegible]		F							0	
153.5	1.5	1.5		0			6		F							0	
154.5	1.0	1.0		0			7		F							0	
160	5.5	5.5		2.55			10		F							0	
165	5.0	5.0		1.5			9		F							0	
170	5.0	5.0		0			7		F							0	
175	5.0	5.0		1.2			8		F							0	
178.5	3.5	2.2		.8			8		F							0	
179.5	1.0	1.0		0			7		F							2	
184	4.5	4.5		2.8			10		F							0	
189	5.0	5.0		1.6			10		F							0	
~~194~~ 190	~~5.0~~ 5.0	~~5.0~~ 5.0		~~1.7~~ 2.25			9/9		F/F							4½	
204	5.0	5.0		0			7		F							1	
207.5	3.5	3.0		0			7		F							0	
211.5	4.0	3.6		0			7		F							0	
216	4.5	4.5		0			7		F							0	
218	2.0	2.0		[illegible]			[illegible]		[illegible]							[illegible]	

Fig. 1. Typical rock mechanics core log.

PROJECT _____ DRILLHOLE NO. DDH 89624 COORDINATES: N _____ DATE Aug 21/89

LOCATION _____ HOLE SIZE _____ E _____ PAGE 2 of 3

LOGGED A. Reznik INCLINATION _____ ELEVATION _____

PITEAU & ASSOCIATES
GEOTECHNICAL CONSULTANTS
VANCOUVER CALGARY

GEOTECHNICAL CORE LOG

DEPTH (TO)	LENGTH OF RUN	CORE RECOVERY		RQD		HARDNESS	DEGREE OF BREAKAGE		DEGREE OF WEATHERING	ROCK TYPE	BEDDING DEP		BEDDING JOINTS		CROSS JOINTS		COMMENTS
		LENGTH	%	LENGTH	%		CATEGORY	NO.			DEPTH	ANGLE	NO.	FREQ.	NO.	FREQ.	
226.5	3.5	3.5		0			7		F							1	
227	5.5	5.5		1.5			9		F							1	
232	5.0	4.9		.95			8		F							2	
237	5.0	5.0		.75			8		F							0	
240.5	3.5	3.5		0			7		F							3	
245	4.5	4.5		0			7		F							1	
250	5.0	5.0		0			7		F							0	
252	2.0	1.8		0			7		F							0	
257	5.0	5.0		0			7		F							2	
267	10	10		0			7		F							2	
270	3.0	2.5		0			7		F							0	
275	5.0	5.0		0			6		F							1	
282	7.0	5.5		0			7		F							0	
291	9.0	9.0		0			7		F							3	
301	10	10		3.05			10		F							3	
306.5	4.5	4.5		2.2			10		F							1	
312	5.5	2.5		.35			9		F							2	
317	5.0	5.0		0			7		F							1	
321	4.0	3.5		0			7		F							1	
326	5.0	5.0		.70			8		E							0	
329	3.0	3.0		.35			8		F							0	
335	6.0	5.2		.6			8		F							1	
340	5.0	5.0		1.3			8		F							1	
345	5.0	5.0		4.0			10		F							0	
350	5.0	5.0		1.45			9		E							2	
[illegible]																	

218

Fig. 1. Typical rock mechanics core log.

89-G-25

CURRAGH RESOURCES INC.

Page 1 of ____

DIAMOND DRILL CORE LOG

Date: _____

Hole Number: 89G-25

Reference Fabric Orientation Diagram:

Project: 1989 GRUM FILL-IN

Location: _____

Claim: _____

Terr.Plane Co-ords.: 6,904,902.582 N 6,212.79N

592,464.575 E 2,776.82E

Grid Co-ords: 68W / 5+50N

Elevation: 1288.269

All symmetry determinations looking

Total Depth: 381 feet

_____ with _____ dipping

Inclination: -60° to SW

_____ with dip azimuth _____.

Purpose: _____

Reason hole Terminated: reaching surface hole // rods very tight from 20's at top of hole

Logged by: _____ Date(s) Logged: _____

Drilling Contractor: ARCTIC

Hole Cemented: No Steel down Hole: No

Assay Lab: _____

Certificate No's: _____

Size	CORE From	To	
NW	0	195	feet
NQ	195	381	feet

Collar Cased and Capped: No

Started: Aug 16/89 Completed: Aug 17/89

C.R.I. 1987 E - 1

CURRAGH RESOURCES INC.

Diamond Drill Core Log

DDH 89G-125 (2 — 8)

Date: _____ Logged By: _____

Code	Drillhole	Elevation	Northing	Easting	Units (feet/metres)	R.F.E.	
1	2 — 8	10 — 16	17 — 24	25 — 32	34 — 39	41 — 42	
T	89G-125						

FEET

Code	Drillhole	Depth	Zenith Angle	True Azimuth	Comments
1	2 — 8	10 — 14	22 — 26	28 — 32	34 — 56
R	89G-125	0.0	-61.0	212.6	AT COLLAR
R		214.0	-61.0	218.0	
R		316.4	-62.0	219.6	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	

Code	Drillhole	Comments, Errant Remarks, Snivellings and / or Lewd Suggestions
1	2 — 8	10 — 56
		LOST RETURN AT 320 FEET
		HOLE SHUT DOWN EARLY WITH TIGHT RODS

DDH 89G-25 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: SEPT 16/89 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	10 0	11915 0		1	#1	TAILINGS - NO RECOVERY
		59 4				
	11915 0	12107 7		12	#1	OIB 10AB boulder fragment
		61 2				One 4" qtz - feldspar - bio - hornblende granite.
	12010 7	12111 4		13	14K10	Weathered.
		64 4				Rusty, buff tan - grey, PS2 foliated, nonsedimentary altered musc. phyllite. Abundant patchy orange rust on fracture and S2 surfaces. Contains local thin qtz-py stringers & bands - no visible grade. Unit is v soft. S2 trends 8° to core axis.
						Core v broken 4.4' rec'd.
	12111 4	12116 6		14	14A10	Bxa Mod Weathered. (SB GOUGE)
		66 0				Highly fractured and broken, mod hard, black carbonaceous qtzite breccia. Ribbon banding obliterated. S= extensional, re-mobilized into abundant fractures. Est 7% Py 15-20%. No visible grade. Breccia due to proximity to lower thick qtz vein.
						Top 2" is soft light grey mud gouge.
						Core is rubble gouge + breccia 3.8' spread out rec'd.
	12116 6	12415 9		15	1Q10Q10	Mod Weathered.
		75 0				Highly fractured and broken, locally brecciated, white pegmatitic quartz vein. Local traces of sph and py infill thin fractures. Fracture surfaces have abundant

DDH BaG-25

CURRAGH RESOURCES INC.

Lithologic Log

Date: SEPT 16/89 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						patchy orange rust coatings. locally vessy due to weathered carbonate in fractures. Dol infills local fractures.
						TOI → 218.0 v broken, 1.4' rec'd
						218.0 - 226.0 m broken, recy good
						226.0 - 228.5 v broken, recy good
						228.5 - 234.5 rubble 2.9' rec'd
						234.5 - 235.5 v broken, recy good.
						235.5 - 239.0 rubble, 2.5' rec'd
						239.0 - 240.5 v broken, 1.7' rec'd
						240.5 - 243.8 rubble, 3.3' rec'd
						243.8 - EOT m broken, recy O.K
	12 14 15 9	12 15 14 0		16	15 B 16	GOUGE ± Bxa
		77 4				Medium grey, v soft, phyllite mud gouge. Nonfossiliferous.
						249 → 249.6 is highly fractured, light grey, PSa foliated, nonfossiliferous slightly altered muse phyllite. Sa surfaces shiny steel grey w abundant "talcose" coatings.
						Core is gouge and breccia, only 1.9' rec'd.
	12 15 14 0	12 15 16 4		17	15 A 16	± 19 Bxa + Gouge (1090) 85:15
		78 2				Dominate unit is mod soft, duck grey to black highly broken and fractured carbonaceous phyllite breccia. Contains locally abundant thin qtz ± py bands 11 to Sa.
						Top 0.6" of interval is highly broken, white pegmatitic qtz vein.
						TOI → 154.6 rubble, recy O.K.

DDH 89G-25

CURRAGH RESOURCES INC.

Lithologic Log

Date: SEPT 16/89 Logged By: CLR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						154.6 - EOI ṽ broken gouge + bxa, recy O.K.
	12516	12519		8	1101919	Bxa (5Bb Gouge) 50:50 ?
		79 2				TOI - 257.0 Highly fractured + broken, wispy qtz vein. Fractures infilled w abundant fine py + traces of sph.
						257.0 - 259.0 Soft, muddy, medium-grey phyllite gouge
						259.0 - EOI Highly fractured + broken qtz vein. Fine py ± marcasite? in fill fractures.
						Core is rubble and gouge 2.3' rec'd
	12519	12617		9	14E11	±4 ±8 trace ±qtz trace Bxa. ± Gouge (5B6 Bxa) trace.
		81 4				Homogeneous, massive fine grained pyrite. Contains abundant small subrounded white qtz clasts. Clasts generally < 3mm ϕ. Local split gal in thin streaks // to Sz. Local minor qtz vein fragments up to 5 cm ϕ "float" in sulphides. Local traces of cpy in thin fractures. Top 2.5' contains local highly fractured ṽ massive phyllitic fragments. Fragments generally < 3 cm ϕ.
						264 → 264.6 is medium grey soft flakey gouge. margins not recovered.
						TOI - 262.1 ṽ broken along abundant fractures, recy O.K.
						262.1 - 265.2 rubble and gouge, 3.5' spread out rec'd.
						265.2 - EOI ṽ broken, recy O.K.

DDH 89G-125
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: SEPT 16/89 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	121617 0	121711 8		1/10	1/10/Q/0	
		828 8				v hard, highly fractured, white resmatitic qtz vein. Contains local, minor small muse phyllite fragments. Minor patchy orange rust on fracture surfaces. Local traces of py + sph infill fractures.
						Core v broken, 7.1' spread out rec'd
	121711 8	121792		1/11	1/10/Q/0	(4003) (5826) 80 : 15 : 5
		85 1				Dominant unit is highly fractured and broken resmatitic qtz vein. Patchy orange rust coatings on fracture surfaces. Traces of Py + Sph infill local fractures. Contains local highly fractured fragments of moderately carbonaceous, muscalcareous phyllite. Fragments range up to 8cm ϕ aligned // to S_2?
						701 → 273.0 is v hard, py + sph + sal bearing quartzite. Banding approx. 1cm thick, defines S_2. S_2 steep, ≈ 14° to core axis. Est Pb+Zn 7-8%. Top 2' of unit mod soft, light grey, muscalcareous muse phyllite
						TOI - 273.4 v broken, recy 0.K.
						273.4 - EOI rubble, 5.9' spread out recd.
	121792	121912		1/12	1/10/Q/0	
		891				Highly fractured and broken, white pegmatitic qtz vein. Muscalcareous. Patchy orange rust coatings on fracture surfaces. Overall, vuggy due to weathered carbonate in fractures. Local thin carbonaceous phyllite fragments

DDH BQG-325 (2 of 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: SEPT 16/89 Logged By: CWB

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						over specifically - generally < 2 cm ϕ.
						Core is qtz rubble, 10.7' rec'd.
	12192 2	12198 0		113	15B16	2 ∫ minor
		90 8				v soft, highly fractured, medium → dark grey, moderately carbonaceous
						noncalcareous phyllite. PS_2 foliation. Fissile along S_2. Local
						incipient sousse along thin steep fractures. S_2 surfaces
						shiny dark grey. Minor dolomite in thin qtz - silstone bands.
						TOT → 295.0 v, broken, fissile, local thin sousse intervals
						along fractures. recov 0.5.
						295.0 - EOT rubble due to abundant fractures + thin
						qtz veins. Only 1.6' rec'd.
	12198 0	12018 7		114	14L16	∓ 24 minor (5047) (5864) (1090) 55 15 15 15
		94 1				Mod - soft, pale green - grey altered chl > musc phyllite.
						Contains local minor thin stringers and bands of qtz + py ±
						sph+gal Est % 5ⁿ 5% Est % Pb+Zn 1-2%. S_2 very
						steep. True thickness of unit much less than drillhole
						intersection. Unit is highly fractured.
						TOT - 300.0 is v soft, fissile, pale olive green, dolomitic?,
						altered chloritic phyllite. Highly fractured, local sousse along
						fractures.
						300.0 → 301.4 is light grey, altered, noncalcareous,
						PS_2 foliated musc phyllite. Abundant patchy "talcose" coatings
						on S_2 + fracture surfaces.
						305.6 → 306.8 highly fractured, ∓ hard, white

DDH 89G-125
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: SEPT 17/89 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						pegmatitic qtz vein. Margins are brecciated.
						TOI - 300.0 v broken, thin sawn intervals // to Sa. 2.0' recd
						300.0 - 305.0 m broken, recy good.
						305.0 - EOI v broken, local breccia at margins of qtz vein.
						3.4' recd.
	1310 B 7	1311 2 1		115	14 A 10	(4CO "micaceous") 80:20
		95 1				TOI → 311.4 is mod⁻ hard → hard, ↓Sz foliated, black, carbonaceous qtzite Sulphide banding is diffuse, poorly developed - defined by qtz >> fine disseminated py and traces of sph + gal Banding locally ranges up to 3cm thick, // to Sa. Sz surfaces shiny black. Abundant X-cutting Sz sheep fractures Est Phase 1-2%.
						311.4 → EOI light grey, mod⁻ hard to hard, qtz + py banded qtzite. Bands generally ≤ 1 cm aligned // to Sa qtz - S⁼ banding 30% of unit volume. Only minor Sphs sul mineralization within S⁼ bands. Margins ↓ higher 4A + lower 5C4 sharp // to Sa. Est Phase 2-3%. Abundant thin micaceous folia aligned // to Sa.
						Core intact, recy good
	1311 2 1	1311 4 5		116	15 C 14	@ $ ± 19 minor
		95 9				Buff tan - green, Psz foliated, mod⁻ soft, dolomitic / anketitic, altered chloritic phyllite. Sz surfaces dull light tan - green. Local traces of small bright green "fuchsite" specks. Contains local thin qtz ± fine py bands generally

DDH 89G-25
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: SEPT 17/89 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						less than 2mm thick. Likely originally thin qtz D2 qtz veins? Margins of altered metabasite sharp, // to S2.
						Core v broken, 2.4' recd.
	13114 5	13131 3		117	141A10	
		101 0				
						v hard, low grade, black, ribbon banded, carbonaceous qtzite
						CSA foliated. S2 surfaces dull black. Ribbon banding ranges
						up to 3cm thick - defined by py+qtz ± traces sph+gal.
						Ribbon banding approx. 30% of unit volume. Est %
						Py 20%, Est % Pb+Zn 2%. Banding // to S2.
						S2 v steep, subparallel to core axis. True thickness
						of unit much thinner than drill hole intersection?
						EOI - 316.5 v broken due to steep fracture, recy OK
						316.5 - 325.0 ± broken, recy good
						325.0 - 326.0 rubble, 0.5' recd
						326.0 - EOI ± broken, recy good
	13121 3	13131 4 7		118	141E10	Porous.
		102 0				Massive, noncalcareous, porous, fine grained pyrite subhedral.
						Banding defined by variations in porosity due to
						weathered out carbonate. Bands // to S2 generally <
						1cm thick. Mod hard. Margins // to S2.
						Grade difficult to determine - likely less than 4%
						Pb+Zn.
						Core slightly broken, recy good.

DDH 89G-25
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: SEPT 17/89 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	131147	131818		1119	141D143	
		1033				Very high grade, pyritic qtzite. Abundant Sph + Gal ≈ Py ± interstitial grey qtz bands define S2 and are 60-70% of unit volume. Bands range up to 15 cm thick. Unit is v hard.
						Est % Py 20-25%, Est Pb+Zn 20-25%.
						Core is broken, very good.
	131808	131511		1210	141E14	Porous.
		1071				v hard, porous, noncalcareous, massive pyritic sulphides.
						Banding near ⊥ to core axis - defined by higher
						porosity due to weathered carbonate. Sph + Gal may
						be more abundant within these bands - however difficult
						to see. Est Pb+Zn 8-9%?
						347 - EOI unit is highly fractured, non retention of S=
						cleats.
						101 - 342.3 v broken due to local fractures, 3.5' rec'd
						342.3 - EOI broken, very good.
	131511	131517		1211	141E018	± 4. Porous.
		1089				Brassy yellow, poorly banded, v hard, fine grained,
						dolomitic, massive pyritic sulphides. Contains abundant (10%) v large
						angular clasts of tan-orange weathered dolomite. Clasts
						range up to 8 cm ⌀ and are ≈ 20% of unit
						volume. Unit locally vuggy due to weathered carbonate.
						354.5 → 356.3 contain local PS2 bands defined by

DDH 89G-25
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: Sept 17/89 Logged By: CUR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						higher Sph + Gal concentrations. Bands are dark red-brown, porous and range up to 6cm thick.
						Est % Pb + Zn ranges from 1-2% up to 8-9% between 354.5 + 356.3. Core is broken, very good.
						Bottom 5" of unit brecciated. 5= "clasts" generally
						1/2 cm elongate // to S_2. Matrix is fine py.
	1315 12	1316 11 4		12 12	1416 14	Porous.
		110 2				Mod hard, porous, banded, carbonaceous massive pyritic
						sulphides. Banding defined by variations in porosity due
						to weathered carbonate. Grade more concentrated in highly
						porous bands? Bands are steep, generally < 2cm thick
						aligned // to S_2. Est % Pb + Zn 8-9%?
						Core is broken, very good.
	1316 11 4	1316 15 5		12 13	1414 4	3 "vuggy"
		111 4				High grade, ribbon banded, carbonaceous qtzite. Ribbon
						banding generally < 2cm aligned // to S_2 defined by
						$P_y \pm$ Sph + Gal ± interstitial fine qtz. Banding 60%
						of unit volume. S_2 surfaces dull carbon black. Unit
						is highly fractured, S= extensively re-mobilized into
						fractures. Carbonate also originally infilled fractures -
						has been weathered out forming deep pores.
						Est Pb+Zn 15% Sph >> Gal. Core is broken,
						very good.

DDH 89G-25
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: SEPT 17/89 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	1316 5	1318 0		12	1 1E 1	Porous.
		116 1				V hard, locally thinly banded, noncalcareous, massive epidote subunits. Banding defined by variations in porosity and local higher concentration of spb + gal. Bandings generally < 1cm thick aligned @ to Sa. Unit porous due to weathered carbonate in matrix and fractures. Unit locally slightly brecciated along steep fractures.
						Est Pb + Zn 8-9% o. Core moderately broken along local steep fractures being sawed
						* NOTE Hole shut down due to extreme tightening of rods because of thick quartz vein.
						EOH

DDH 89-6-25 (2 / 8) CURRAGH RESOURCES INC.

Structural Log ... Date: Sept 1/89 Logged By: A. Rennie

Code	From	To (feet)	Feature	Sym	S_0 Dip Direct.	S_1 Dip Direct.	S_2 Dip Direct	Description
1	10 14	16 20	22 24	26	28 32	34 38	40 44	
		1251.5 -	AS12 -			T ⌐	61	S_2 def'ined by thin micaceous laminations
		1271.5	AS12 -			T T	416	S_2 def'ined by micaceous lamination S_3 visible but not good enough to get a proper measurement
		1310.5	AS12 -			T ⌐	612	S_2 defn'd by Py banding
		1311.5 -	C1512S			25 01010	610	micaceous films & compositional banding present
		1331.0 -	AS12 -			T ⌐	210	S_2 defined by compositional banding
		1361.2 -	AS12 -			+ ⌐	314	S_2 defined by Py-Sph banding
		1377.7 -	AS12 -			T T	517	S_2 defined by Py-Galena banding
								(massive S° present.)
					T EOH	T		

DDH 89G-125 (2 ... 8)

CURRAGH RESOURCES INC.

Page 1 of 1

Logged by CVR

ASSAY LOG (SAMPLER'S COPY)

Date SEPT 17/87 Sampled by

CODE	FROM	TO	SAMPLE	INTR.	REC (m)	UNIT	DESCRIPTION
1	10 ... 94	16 ... 64 ... 80	22 ... 26	28 ... 30	32 ... 34	36 WASTE 40	42
	12116 11 44	12166 06	3712017	1.6 15 2	0.15	1 14 A D	Bxa
	1 1616 0	1 1644				WASTE	
	12156 24	12159 38	3712018	1.0 13 4	0.16	1 10 19 1	Bxa (SB6 Gouse) 50:50
	12151 98	12161 07	3712019	1.0 13 3	0.9	4 E 1 1	±4 ± 8 trace ± 9 trace (SB Bxa) trace
	12161 31	12161 74	3712020	1.2 13 9	1.2	4 E 1 1	±4 ± 8 trace ± 9 trace (SB Bxa) trace
	1 1811 4	1 1821 9				WASTE	
	12722 90	12173 21	3712111	0.3 1 1	0.12	4 D 1 0 1	
	1 1831 2	1 1941 1				WASTE	
	13104 94	13112 11	3712112	1.0 13 4	0.8	4 A 1 0 1	(410 "minerous") 80:20
	13112 1	13141 95	3712113	0.7 12 40	0.5	5 C 14 @ 18	± 17 minor
	13114 5	13118 97	3712114	1.2 14 1	1.0	4 A 1 0 1	
	13116 6	13122 98	3712115	1.2 13 9	1.1	4 A 1 0 1	
	13121 25	13129 99	3712116	1.2 14 0	1.2	4 A 1 0 1	
	13121 65	13131 10	3712117	1.3 14 8	1.5	4 A 1 0 1	
	13131 73	13134 07	3712118	0.7 12 4	0.7	4 E 1 0 1	Porous
	13131 47	13138 38	3712119	1.2 14 1	1.2	4 D 14 B 1	
	13131 88	13141 20	3712120	1.0 13 2	0.16	4 E 1 4 1	Porous
	13141 20	13141 99	3712121	0.9 12 9	0.9	4 E 1 4 1	Porous
	13141 49	13147 08	3712122	0.9 13 0	0.9	4 E 1 4 1	Porous
	13141 79	13151 14	3712123	1.3 13 5	1.1	4 E 1 4 1	Porous
	13151 14	13151 45	3712124	0.9 13 1	0.8	4 E 10 8 1	±4 Porous
	13151 45	13151 72	3712125	0.8 12 8	0.7	4 E 10 8 1	±4 Porous
	13151 72	13161 02	3712126	1.3 14 2	1.2	4 E 1 4 1	Porous
	13161 14	13161 55	3712127	1.2 14 1	1.1	4 4 1 4 3 1	"very"
	13161 55	13161 92	3712128	1.2 13 9	1.2	4 E 1 4 1	Porous
	13161 92	13171 23	3712129	1.0 13 2	1.0	4 E 1 4 1	Porous
	13171 23	13171 76	3712130	1.2 14 1	1.2	4 E 1 4 1	Porous
	13171 76	13181 16	3712131	1.3 14 3	1.3	4 E 1 4 1	Porous
		EOH					

C.R.I. 1987 E-5

PROJECT _____ BOREHOLE NO. [illegible] COORDINATES: N _____ DATE [illegible]

LOCATION _____ HOLE SIZE _____ E _____ PAGE 1 of 3

LOGGED A. Kranik INCLINATION _____ ELEVATION _____

PITEAU & ASSOCIATES
GEOTECHNICAL CONSULTANTS
VANCOUVER CALGARY

GEOTECHNICAL CORE LOG

DEPTH (ft)	LENGTH OF RUN	CORE RECOVERY		RQD		HARDNESS	DEGREE OF BREAKAGE		DEGREE OF WEATHERING	ROCK TYPE	BEDDING DEP		BEDDING JOINTS		CROSS JOINTS		COMMENTS
		LENGTH	%	LENGTH	%		CATEGORY	NO.			DEPTH	ANGLE	NO.	FREQ.	NO.	FREQ.	
391.5	11.5	10.6		2.15			8		F							1	
397	5.5	5.5		1.55			9		F							1	
382	5.0	5.0		2.15			10		F							1	
									EOH								

Fig. 1. Typical rock mechanics core log.

PROJECT _____ DRILLHOLE NO. _____ COORDINATES: N _____ DATE _____ 19__

LOCATION _____ HOLE SIZE _____ E _____ PAGE __ of 2

LOGGER _____ INCLINATION _____ ELEVATION _____

PITEAU & ASSOCIATES
GEOTECHNICAL CONSULTANTS
VANCOUVER CALGARY

GEOTECHNICAL CORE LOG

DEPTH (TO)	LENGTH OF RUN	CORE RECOVERY		RQD		HARDNESS	DEGREE OF BREAKAGE		DEGREE OF WEATHERING	ROCK TYPE	BEDDING DIP		BEDDING JOINTS		CROSS JOINTS		COMMENTS
		LENGTH	%	LENGTH	%		CATEGORY	NO.			DEPTH	ANGLE	NO.	FREQ.	NO.	FREQ.	
2.02				0			6		I						7		
	5	2.1	42	7					E						1		
	5	2.8	16%	1					E						1		
			34%	1					E						0		
			73%	0					E								
			100%	2.25					E						6		
			95%	2.4					E						6		
		1.7	31%	0					E								
			54%	0.45			6		E						4		
1.5	1		80%	1.35			6		E						2		
			53%	1					E								
			38%	1.5					E						2		
			16%	0			7		E						0		
			62%	0					E						0		
	5		92%	0			6		E						4		
			100%	0			6		E						7		
		1.9	76%	0			6		E						2		
			67%	0			6		E						3		
			75%	0					E						3		
204.5			56%	0					E								
210			55%	0			6		E						2		
		1.5	50%	0					E						0		
			56%	0			6		E						3		
			100%	0.9			7		E						4		
			90%	0					E						1		
			75%	1.9			7		E						1		
			92%	1.75			6		E						2		
			100%	2.1			7		E						3		

Fig. 1. Typical rock mechanics core log.

PROJECT _____ DRILLHOLE NO. _____ COORDINATES: N _____ DATE _____ 19__

LOCATION _____ HOLE SIZE _____ E _____ PAGE __ of __

LOGGER _____ INCLINATION _____ ELEVATION _____

PITEAU & ASSOCIATES
GEOTECHNICAL CONSULTANTS
VANCOUVER CALGARY

GEOTECHNICAL CORE LOG

DEPTH (TO)	LENGTH OF RUN	CORE RECOVERY		RQD		HARDNESS	DEGREE OF BREAKAGE		DEGREE OF WEATHERING	ROCK TYPE	BEDDING DIP		BEDDING JOINTS		CROSS JOINTS		COMMENTS
		LENGTH	%	LENGTH	%		CATEGORY	NO.			DEPTH	ANGLE	NO.	FREQ.	NO.	FREQ.	
[illegible]	1	1.1	30%	0			[illegible]		[illegible]						1		
331	5	[illegible]	100%	2.25			8		L						4		
326	5	[illegible]	100%	2.1			6		F						1		
[illegible]	5	5	100%	2.45			7		F						1		
[illegible]	[illegible]	[illegible]	20%	1			[illegible]		[illegible]						0		
[illegible]	5	5	100%	2.3			8		F						2		
[illegible]	5	5	100%	3.7			10		F						0		
357	5	4.3	86%	2.1			7		E						3		
[illegible]	5	4.6	92%	1.7			7		E						2		
3[illegible]	[illegible]	4.7	94%	3.65			12		F						0		
[illegible]	5	5	100%	2.25			7		E						4		
377	5	5	100%	3.6			10		E						0		
381	[illegible]	4.1	100%	1.65			10		E						2		

Fig. 1. Typical rock mechanics core log.

89-6-26

CURRAGH RESOURCES INC. Page 1 of ____

DIAMOND DRILL CORE LOG Date: _____

Hole Number: 896-26

Reference Fabric Orientation Diagram:

Project: 1989 GRUM FILL-IN

Location: _____

Claim: _____

Terr.Plane Co-ords.: 6,904,880.105 N 6,152.04 N

592,526.172 E 2,801.59E

Grid Co-ords: 66 W / 6-25 N

Elevation: 1287.130

All symmetry determinations looking

Total Depth: 426 feet _____ with _____ dipping

Inclination: -85° to NE _____ with dip azimuth _____.

Purpose: _____

Reason hole Terminated: _____

Logged by: _____ Date(s) Logged: _____

Drilling Contractor: ARCTIC

Hole Cemented: No Steel down Hole: No

Assay Lab: _____

Certificate No's: _____

CORE

Size	From	To
NW	0	140 feet
NQ	140	426 feet

Collar Cased and Capped: No

Started: August 13/89 Completed: Aug 19/89

CURRAGH RESOURCES INC.

Diamond Drill Core Log

Date: _____ Logged By: _____

DDH 89G-26

Code	Drillhole (2–8)	Elevation (10–16)	Northing (17–24)	Easting (25–32)	Units (feet/metres) (34–39)	R.F.E. (41–42)	
I							
T							

FEET

Code	Drillhole (2–8)	Depth (10–14)	Zenith Angle (22–26)	True Azimuth (28–32)	Comments (34–56)
I					
R		10.0	-81.5	142.1	AT COLLAR
R		255.0	-81.2	178.1	
R		1401.5	-71.8	176.1	
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					

Code	Drillhole (2–8)	Comments, Errant Remarks, Snivellings and / or Lewd Suggestions (10–56)
I		

DDH 89-G-26
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Page 03 of _____

Date: SEPT 21/89 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	10	114100 427		11	#	TRICONED - NO RECOVERY
	114100	114105 428		12	#	O/B 10AB Granite fragment 1 small cream white plag + qtz > bio + hornblende. 10AB boulder fragment Fragment 2.0".
	114105	114145 440		13	141610	"Stringered" 137 minor Dull grey-green, PS2 foliated, noncalcareous, ±fibrous musc + chl phyllite. Contains abundant thin stringers and bands defined by fine pytpo + interstitial fine qtz. Bands + stringers are 10-15% of unit volume. S2 surfaces dull grey-green and have local tan-green patchy weathering on S2. Est % Py 6-8% Core mod broken. Recy good.
	114145	116700 509		14	151816	$ minor ± 9 minor Medium-light grey, dominantly PS2 foliated, mod soft, nonCalcareous, musc phyllite. Contains local thin qtz + dol ± minor dissem py siltstone laminae defining S2 and local minor lithons. TOI - 151.6 m broken, recy good. 151.6-163.3 m broken, local minor gouge along steep, X-cutting S2 fractures. 1.0' core loss. 163.3 - EOH m broken, recy good.

DDH 89G-26
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: SEPT 21/89 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	11617 0	11711 3		15	151816	2 weak
		52 2				Mod" carbonaceous, dark grey, PSz foliated, noncalcareous phyllite. Sz surfaces shiny dark grey - slightly mark fingers. Contains abundant thin qtz + dol siltstone bands and laminae aligned // to Sz. Dol ± fine py infill local fine fractures. Core in broken, recy good.
	11711 3	11716 3		16	141E1416	± # (4A4) (4L34) 80:10:10
		53 7				Dominate unit is mod" hard, medium brown, high grade, locally calcareous, massive pyritic sulphides. Banding defined by local concentrations of honey sph + gal, barite, and calcite. Interstitial calcite occurs in thick bands up to 15 cm aligned // to Sz. Contains local small subrounded qtz clasts "floating" in massive S". Clasts generally < 3mm ϕ
						173.0 → 173.5, hard, highly fractured, ribbon banded, carbonaceous qtzite. Banding is thin, generally < 3mm defined by dominate sph and lesser fine py. S" extensively re-mobilized into late thin fractures. Measures // to Sz.
						173.5 → 174.0, pale grey-green, mod" soft, altered mass + chl phyllite. Abundant fine py + sph in fill' thin steep fractures. Measures // to Sz.
						Est % Pb/Zn 6-7%.
						Core S broken, recy good - No obvious faults.

DDH 89G-26

CURRAGH RESOURCES INC.

Lithologic Log

Date: SEPT 21/89 Logged By: CUR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	117163	117196		17	141K14	Bxca.
		547				Highly fractured, brecciated, high grade, ± dolomitic semi-massive pyritic sulphides. Contains abundant, large, irregular white dol + qtz clasts ranging up to 15 cm ø. Within clasts are abundant thin fractures infilled w/ galena, red-brown sph and fine pyrite. Matrix is fine brassy yellow pyrite. Clasts are 70-80% of unit volume.
						Est Pb+Zn 8→10%. High Pb:Zn ratio. % Py 20-25%.
						Core ± broken, recov good
	117196	118131		18	141G14	Sandstone
		558				Thinly bedded, med hard, massive pyritic/baritic ± Bandings defined by local concentrations of sericitic, baritic and fine calcsilicate dolomite. Contains local small subrounded clasts of qtz and dolomite. Clasts generally < ½ cm ø. Upper contact ± 45° brecciated. Lower contact sharp // to Sa. Est Pb+Zn 8-10%.
						Core mod broken along local fracture. Recov O.K.
	118131	118157		19	141C10	"Micaceous" (4AO) 50:50
		566				TOI → 184.1 is light grey, highly fractured, micaceous, med hard, sericitic/micaceous, pyritic qtzite. Contains abundant thin bands aligned // to Sa defined by fine py + minor sphalerite + calcsilicate qtz. Sc have been extensively

DDH 89G-26
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: SEPT 21/89 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						re-mobilized into thin anastomosing fractures. Bottom massive $\bar{v}$ 4A is sharp, ll to S_2
						194.1 → EOT is $\bar{v}$ hard, thinly ribbon banded, black, carbonaceous qtz-ser. Ribbon banding < 5mm thick, defined by fine py+sph+minor gal + fine interstitial qtz. Locally, bands define litions. Banding 15% of unit volume. S_2 surfaces shiny black.
						Est % Pb+Zn entire interval ≈ 3-5%. Core in bottom along S_2, recy good
	118157	119116		110	41L0214	± Brx ± Gouge (5A169) 90:10
		5844				TOI → 186.5 is black, mod- hard, carbonaceous, schistous, $1^{o}S_2$ foliated phyllite. S_2 surfaces shiny black Unit is highly fractured. Abundant fine py in fills thin fractures.
						186.5 → TOI white - grey altered mass. phyllite seams and breccia locally, abundant fractures infilled ⊼ white ser, qtz-ser, lesser dolomite + minor py + sph + gal
						Only 1.2' recd between 186.5 and 189.7 One major fracture trends 80° w.r.t S_2, dipping 31°.
						TOI → 186.5 rubble 0.9' recd
						186.5 → 189.7 rubble + seams, 1.2' recd.
						189.7 → EOI $\bar{v}$ broken along S_2 + local fractures, recy O.K
	119116	119553		111	41D14	(4A4) (5C4 @ 1% minor) 50 : 35 : 15
		5955				Highly mixed unit. Contact at 194.0 is 6" thick, pale olive green, mod soft, dolomitic/anhydritic/chloritic

DDH 89G-26
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: SEP 21/89 Logged By: C-R

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Unit is mod hard brown-grey. Banding defines S_2.
	12010 9	12013 9		113	14L112	4
		62 1				Mod soft → locally hard, white grey, qtz + $S^=$ banded w/ lined muse phyllite. S_2 surfaces light shiny grey w/ local pale green chl clots. Contains abundant PS_2 bands generally less than 1/2 cm thick defined by fine py + minor sph + gal + interstitial fine qtz. Banding 15-20% of unit volume. Heterogeneous.
						Est Pb+Zn 2-3% MAYBE.
						Est % Py 8-9%
						Core w/ broken along S_2 and local steep fractures, recov O.K.
	12013 9	12019 0		114	14A10	→ [SA169]
		63 7				W/ local to locally mod soft, PS_2 banded + foliated, ribbon banded carbonaceous qtz-ste transitional to siliceous, carbonaceous phyllite. Siliceous bands become more abundant moving down the interval. Bottom 1.5' is moderately soft. Ribbon banding is thin, // to S_2, defined by fine red-brown sphalerite + interstitial fine qtz, or fine py + interstitial grey qtz. Locally, sph rich bands have abs fine py. Banding decreases moving down the interval. S_2 surfaces range from locally medium → dark grey to black.
						Est Pb+Zn on fine interval 3-4% - dominately Zn
						TOI → 206.0 w/ broken along S_2 recov O.K.
						206.0 → EOI w/ broken, recov O.K

DDH 89G-26
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Page 09

Date: SEPT 21/89 Logged By: CDR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	12019 0	12115 5		115	151B1716	± 8 minor.
		657				Light grey - green, mod soft, dominately PS2 foliated, mosc + chl phyllite contains abundant thin white - tan qtz ± chl siltstone bands + laminae defining S2. S2 surfaces and show grey in local pale green chl clots.
						Core is broken along S2 and local fractures. No obvious faults. Recov good
	12115 5	12327		116	151B16	± 8 minor ± 2 minor (5B76 ± 8 minor)
		709				Light grey, mod soft, dominately PS2 foliated, mosc phyllite. S2 surfaces show steel grey. contains local thin qtz ± chl siltstone bands and laminae generally defining S2 locally, siltstone bands define microlithons. Dol infills local steep X-cutting fractures. Moving down interval, unit becomes slightly darker due to increasing carbon content. 221.5 → EOI is light grey - green mosc + chl phyllite. Abundant veins. Contact is gradational over 2-4" Marked by decreased carbon, more chlorite.
						TOI - 226.0 in broken, recov good
						226.0 → 227.5 incipient gouge + broken, recov OK but a significant fault
						227.5 → EOI in broken, recov good.
	12327 7	12713 8		117	151B12	0 ± 8 minor ± 9 minor ± "stringered"
		835				Medium dark grey, mod carbonaceous, dominately PS2 foliated, locally CS2 foliated, phyllite S2 surfaces

DDH 89G-26

CURRAGH RESOURCES INC.
Lithologic Log

Page 10

Date: SEPT 21/89 Logged By: CUR

Code	From	To	Recov.	No.	Unit	Description
						shiny dark grey. Contains local minor thin mudstones defined
						by qtz calcite. Thin qtz + minor fine py occur in stringer
						bands - bands commonly define lithons. Bands range up to
						1/2 cm thick. Likely pre D2 veins? Qtz + cc + chl
						infill minor local fractures.
						TOI → 268.2 m broken, recovery good
						268.2 → 269.3 ī broken, locally gouged along steep fracture,
						recovery good
						269.3 → EOT mod broken, recovery good
						Only two thin fractured white resinous-like qtz veins
						occur within interval. No obvious faults.
	2738	3478		18	5B20	± 8 minor ± 9 minor ± "stringered" (1000) 95:5
		1060				Same as above unit. Broken out due to more abundant
						fractures and foliaform qtz veins. Veins range from
						1cm to 25 cm thick, commonly have thin dark green
						chlorite selvages. Veins generally brecciated, pale green
						chl, locally minor py, and calcite infill fractures.
						Unit dominately PS2 foliated S2 surfaces shiny dark
						grey.
	3478	3872		19	4L1	247 "Stringered" (5D4 $@) trace
		1180				Dull light grey-green, locally CS2 foliated, noncalcareous,
						altered musc + chl + bio (minor) phyllite. Contains abundant
						thin qtz ± py ± sphal ± minor Po stringers - Pre D2.
						Stringers locally have thin biotite foliations developed along

DDH BG-86 (2 of 8)

CURRAGH RESOURCES INC.
Lithologic Log

Page 11

Date: SEPT 21/89 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						margins. Stringers are 15-20% of unit volume. Po becomes more abundant moving down interval.
						Est % Py 5-6%
						Est % Pb+Zn < 1%.
						Bottom 2.0' of unit contains 3 highly fractured pegmatitic qtz veins. Fractures infilled w/ dark green chl+ Chl w/co occurs in thin selvages against qtz vein. Ss surfaces are a clotted shiny green-grey. Dol + qtz infill abundant local thin fractures.
	131817 2	141216 0		1210	151816	1 9 trace [360]
		1298				Light grey, locally slight green tinge, noncalcareous, locally CSa foliated, musc+chl phyllite Ss surface undulating shiny steel grey, contains local thin qtz siltstone laminae - locally define microlithons. Qtz + dol infill local X-cutting thin steep fractures. Local traces of Py + Po in local minor thin qtz stringers.
						TOI → 419.5 mod broken. very perfect.
						419.5 → 420.3 v broken. local incipient gouge near qtz vein margin + along steep fracture. very good. Not a significant fault
						420.3 → 422.5 m broken, very good.
						422.5 → 423.0 Incipient soft phyllite gouge and brx. Gouge contacts 60° to core axis, no orientation possible. Not a significant fault. very good
						423.0 → EOH mod broken. very good. EOH

CRI 1987 F-3A

DDH 89-G-26 (2 8)

CURRAGH RESOURCES INC.
Structural Log

Date: Sept. 1/89 Logged By: A. Reznik

Code	From (feet)	To (feet)	Feature	Sym	S_0 Dip Direct.	S_1 Dip Direct.	S_2 Dip Direct	Description
1	10 14	16 20	22 24	26	28 32	34 38	40 44	
		1149 -	C1S12	S		214 / 210	716	micaceous laminations present
		1617 -	A S12 -			T T	518	S_2 defined by compositional banding
		1814 -	C1S12	S		313 2815	711	" " " " "
		2016	5 A1S12 -			T T	813	S_2 defined by sph banding ? compositional banding
		2137 -	C1S13	S		S_3 715 2915	313	thin silvery laminations defind S_3 micaceous laminations present
		2416 -	C1S13	S		S_3 714 2315	712	thin silvery laminations define S_3.
		2615 -	C1S12	S		319 / 1810	513	S_2 defined by thin micaceous laminations
		2811 -	A S12 -			T T	71	" " "
		3108	5 A1S13 -			S_3 617 T	T	S_3 defined by thin silvery laminations
		3127	5 A S12 -			T T	810	S_2 defined by compositional banding ; thin altered mafic laminations.
		3317 -	C1S13	S		S_3 217 0213	419	S_3 defined by thin silvery laminations ; thin compositional banding present
		3519 -	A S12 -			T T	715	S_2 defined by comp banding ; thin altered mafic laminations
		3912 -	C1S13	Z		S_3 613 011 19	215	S_3 defined by thin silvery laminations
		4112	5 A S12 -			T T	518	S_2 defined by thin comp banding
		4125	5 A S12 -			T T	618	" " " " " "
					EOH			

DDH 89G-216 CURRAGH RESOURCES INC. Page 1 of 1

Logged by

ASSAY LOG (SAMPLER'S COPY) Date Sampled by

CODE	FROM	TO	SAMPLE	INTR.	REC (m)	UNIT	DESCRIPTION
	10 0 14	16 52. 20	22 — 26	28 — 30	32 — 34	36 WASTE 40	42
	1117.52	1117.53	372148	30	1.5 15	4E 416	± # (4A4) (4L24) 80:10:10
	1117.53	1119.54	372149	33	1.0 13	4K 14	Bxa
	1119.54	1118.55	372150	35	1.1 13	4G 14	$ minor
	1118.13	1118.15	372151	26	0.0 26	4K 10	"micaceous" 4A0 50:50
	1118.55	1119.58	372152	59	1.0 59	4L 0 12 14	± Bxa ± Gouge (5A169) 90:10
	1119.58	1119.59	372153	37	1.1 37	4D 14	(4A4) (5C4@$ 9minor) 50:35:15
	1119.59	1210.61	372154	56	1.1 56	4E 14 16	# ± $
	1210.61	1210.62	372155	30	0.9 30	4L 1 12 14	
	1210.62	1210.63	372156	42	1.3 42	4A 01	
	1634	1219.8	— — —	—	—	WASTE	

EOH

PROJECT _____ DRILLHOLE NO. _____ COORDINATES: N _____ DATE _____ 19__

LOCATION _____ HOLE SIZE _____ E _____ PAGE __ of 3

LOGGER _____ INCLINATION _____ ELEVATION _____

PITEAU & ASSOCIATES
GEOTECHNICAL CONSULTANTS
VANCOUVER CALGARY

GEOTECHNICAL CORE LOG

DEPTH (TO)	LENGTH OF RUN	CORE RECOVERY		RQD		HARDNESS	DEGREE OF BREAKAGE		DEGREE OF WEATHERING	ROCK TYPE	BEDDING DIP		BEDDING JOINTS		CROSS JOINTS		COMMENTS
		LENGTH	%	LENGTH	%		CATEGORY	NO.			DEPTH	ANGLE	NO.	FREQ.	NO.	FREQ.	
142	142	[illegible]		[illegible]			[illegible]		E						0		
147	5	2.9		0.55			7		E						2		
152	5	3.7		[illegible]			5		E						0		
157.5	[illegible]	3.9		0			6		E						0		
162	4.5	3.3		0			5		E						1		
167	5	5		0			6		E						0		
172	5	[illegible]		1.35			7		F						2		
177	[illegible]	5		3.05			7		E						0		
182	5	4.5		2.1			9		F						2		
184	[illegible]	1.6		0.5			6		F						1		
189.5	5.5	2		0.7			6		F						0		
195	[illegible]	3.9		1.45			7		E						0		
200.5	5.5	4.1		2.8			8		F						0		
206	5.5	5.1		0			[illegible]		E						3		
211	[illegible]	5		0.9			6		F						0		
216.5	5.5	[illegible]		0			6		F						1		
221.5	5	5		0.4			6		F						2		
227	5.5	4.9		0.35			[illegible]		E						4		
232	5	4.2		0.35			[illegible]		F						0		
237	5	5		0.85			7		E						0		
242	5	5		0			6		F						0		
247	5	[illegible]		1.45			7		F						0		
252	5	5		1.9			7		E						0		
257	5	4.8		0.5			7		F						2		
260	3	3		0			6		F						0		
265.5	5.5	5.2		1.15			6		F						1		
270.5	5	[illegible]		1.3			6		E						0		
276.5	[illegible]	5.1		0			[illegible]		F						3		

Fig. 1. Typical rock mechanics core log.

PROJECT _____ DRILLHOLE NO. [illegible] COORDINATES: N _____ DATE _____ 19__

LOCATION _____ HOLE SIZE _____ E _____ PAGE __ of 3

LOGGER [illegible] INCLINATION _____ ELEVATION _____

PITEAU & ASSOCIATES
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VANCOUVER CALGARY

GEOTECHNICAL CORE LOG

DEPTH (TO)	LENGTH OF RUN	CORE RECOVERY		RQD		HARDNESS	DEGREE OF BREAKAGE		DEGREE OF WEATHERING	ROCK TYPE	BEDDING DIP		BEDDING JOINTS		CROSS JOINTS		COMMENTS
		LENGTH	%	LENGTH	%		CATEGORY	NO.			DEPTH	ANGLE	NO.	FREQ.	NO.	FREQ.	
281.5	5	[illegible]		0			6		E						1		
286.5	5	5		1.2			6		F						0		
[illegible]	5	[illegible]		0			6		[illegible]						2		
296.5	5	3.4		1.05			6		[illegible]						2		
302	5.5	[illegible]					[illegible]		[illegible]						1		
307	5	[illegible]		0			6		F						1		
312	5	[illegible]		0			6		F						0		
317.5	5.5	[illegible]		0.4			6		F						2		
[illegible]	[illegible]	[illegible]		0			6		F						1		
327.5	5.5	5.4		0			6		E						0		
332	4.5	4.5		1.3			7		E	1					0		
337	5	5		1.0			7		E						2		
342	5	5		1.05			7		E						1		
347	5	5		1.5			9		E						1		
352	5	4.8		0			6		E						1		
357	5	4.9		2.3			9		E						0		
362	5	4.8		0			6		E						0		
367	5	5		1.95			9		E						1		
372	5	5		1.7			7		E						0		
377	5	4.9		0.4			6		E						0		
382	5	4.9		0.4			6		E						0		
387	5	5		1.7			7		E						0		
392	5	5		1.4			9		E						1		
397	5	5		2.95			9		E						0		
402	5	5		2.2			7		E						0		
407	5	4.9		2.25			7		E						0		
412	5	5		3.3			9		E						0		
417	5	5		1.4			7		E						2		

Fig. 1. Typical rock mechanics core log.

PROJECT _____ DRILLHOLE NO. DDH89G26 COORDINATES: N _____ DATE Aug 30 1989

LOCATION _____ HOLE SIZE _____ E _____ PAGE 3 of 3

LOGGER G.GRUBISA INCLINATION _____ ELEVATION _____

PITEAU & ASSOCIATES
GEOTECHNICAL CONSULTANTS
VANCOUVER CALGARY

GEOTECHNICAL CORE LOG

DEPTH (TO)	LENGTH OF RUN	CORE RECOVERY		RQD		HARDNESS	DEGREE OF BREAKAGE		DEGREE OF WEATHERING	ROCK TYPE	BEDDING DIP		BEDDING JOINTS		CROSS JOINTS		COMMENTS
		LENGTH	%	LENGTH	%		CATEGORY	NO.			DEPTH	ANGLE	NO.	FREQ.	NO.	FREQ.	
422	5	4.8		0.9			6		E						1		
426	4	3.9		0.45			6		E						1		
								—	EOH	—							

Fig. 1. Typical rock mechanics core log.

89-G-27

CURRAGH RESOURCES INC.

Page 1 of ____

DIAMOND DRILL CORE LOG

Date: _____

Hole Number: 89G-27

Reference Fabric Orientation Diagram:

Project: 1989 GRUM FILL-IN

Location: _____

Claim: _____

Terr.Plane Co-ords.: 6,904,880.105 N — 6,152.04 N

592,526.172 E — 2,801.59 E

Grid Co-ords: 66W / 6+25 N

Elevation: _____

All symmetry determinations looking

Total Depth: 560.5 feet

_____ with _____ dipping

Inclination: -60° NE

_____ with dip azimuth _____.

Purpose: _____

Reason hole Terminated: _____

Logged by: _____

Date(s) Logged: _____

Drilling Contractor: ARCTIC

	Size	CORE From	To
	NW	0	132 feet
	NQ	132	560.5 feet

Collar Cased and Capped: No

Hole Cemented: No

Steel down Hole: No

Assay Lab: _____

Certificate No's: _____

Started: Aug 20/89 Completed: August 22/89

CURRAGH RESOURCES INC.

Diamond Drill Core Log

DDH 89G-27

Date: _____ Logged By: _____

Code	Drillhole	Elevation	Northing	Easting	Units (feet/metres)	R.F.E.	
1	2 8	10 16	17 24	25 32	34 39	41 42	
T							

FEET

Code	Drillhole	Depth	Zenith Angle	True Azimuth	Comments
1	2 8	10 14	22 26	28 32	34 56
R		1090	-61.0	014.2	AT COLLAR
R		1214.5	-62.0	012.3	SPERRY SUN
R		1319.5	-64.0	011.6	SPERRY SUN
R		1514.5	-63.0	011.9	SPERRY SUN
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	

Code	Drillhole	Comments, Errant Remarks, Snivellings and / or Lewd Suggestions
1	2 8	10 56

DDH 89-6-27
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Page 03

Date: SEPT 28/89 Logged By: P. Lodwidge/C. Reed

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	100	1320		11	###	TRICONED NO RECOVERY
		402				
?	11316 0	11516 0		12	15B614	± $ minor - moderately weathered
		475				
						- highly fractured + broken, mod. soft, non calc.; dom. PS2 fol
						- light grey w local orange rust on S2 + cut surface
						- where fresh S2 cleavage dull light to shiny grey - minor dol
						interstitial to qtz in thin PS2 siltstone bands
						- local minor gouge along steep fractures
						- TOI - 145.6 - Rubble - 7.8ft recov.; 145.6 - 154.1 - v. broken - recov 0%
						154.1 - EOI - Rubble
	11516 0	11518 0		13	14AH	(SC4#) (400) 33/33/33%
		482				
						TOI - 156.6 - Black, hard, carb. ribbon banded qtzite top
						contact // S2; comp. banding defined by dom. sph, lesser Cn, minor Py
						Sulfide bands 30% unit vol. - lower contact against Sc sharp
						// S2
						Remaining interval very hard thinly banded non-carb qtzite
						int. banded w m soft calc pale green-grey alt. metabasite - Metabasite
						band range from 8-15 cm, margins // S2 - Sulphide banding defines
						3 phase 2 fold hinges. Est. Pb/Zn for entire interval 6-8%
						- Mod. broken - recov. good

DDH 89-G-37
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: 28/09/89 Logged By: PL

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	1518 0	1614 7		4	4G 4L	±#±$ (4LO) 50/50%
		50 2				
						TOI -159.2 ; 169.9 - EOI : Thinly PS2 banded - m hard locally calc. high-grade massive barritic/pyritic sulphides - comp. banding defines S2 . Banding < 1 cm thick defined by variations in Ba, Py, Sph +Gn content "floating" within sulphides are small local sub-rounded white qtz ± dol. clasts - Near EOI contains ' local broad feathery bands containing interstitial Ca - Between the 2 mass sulphide bands is pale cream tan mod. soft, altered musc. phyllite - S2 surfaces dull whitish grey + have "talcose" coatings - Contacts against 4G highly broken + brecciated 4G is slightly broken - 4L is rubble - good recov. Est. sulphide grade in 4G - 18-20% Pb+Zn
	1647	1798		5	5B 6L	$ minor
		54 8				
						- light grey - mod. soft, non calc. musc. phyllite - dominant PS2 foliated - local minor lithons defined by qtz + dol - local traces of Py + Sph. infilling of fractures - pale green chlorite in thin lamination near TOI defines S1 + S2 TOI - 165.6 Rubble due to steep fracture ; 165.6 - 168.0 mod. broken ; 168 - 171.5 - v. broken ; 171.5 - EOI mod. broken - recov. good

DDH 89-G-77 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: 28/09/89 Logged By: PL

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	11798	11900		16	14644#	(5C4$) (5B6) 93/512 %
		579				464#- Thinly banded, high grade calc. massive pyritic/baritic sulphide/sulphate - banding thin // S_2 defined by variations in barite + base metal content - Calcite occurs in thin feather bands interstitial to sulphides (// S_2) - Sulphides contain suspended small rounded qtz + dol. clasts. Interbanded w sulphides at scale of 2-10cm are local pale green PS_2 foliated dolomitic altered musc + chl. phyllite, presumably metabasite. Margins of metabasite sharp // S_2
						Est. Pb+Zn 12-15%
						TOI - 181.0 very broken due to steep fracture; 181 - 182.5 - slightly broken - good recov.; 182.5 - 184 - very broken recov. good; 184 - 184.9 - intact; 184.9 - 186.7 - very broken; 186.7 - EOI - mod. broken.
						1ft lost in interval
						- 184.9 - 185.4; 186.3 - 186.5 - thin bands of light grey non-calc. musc. phyllite - margins // S_2 - may be phyllite clasts within massive sulphides
	11900	11989		17	15816$	I 4
		606				CS_2 foliated, med. grey, slightly carbonaceous med soft phyllite. S_2 surface medium shiny grey - local lithons defined by qtz + dol. laminations - Bottom 5" is "bleached" to lighter grey - core very broken - recov. good

DDH 89-G-37
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: 28/07/89 Logged By: PL

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	199	200 1		18	14614	± 4 464# ± BXA
		61 0				V. hard thinly PS2 bandd, v. calc., pyritic barritic m. sulphide Top contact //S2; bottom cont. brecciated - At EOI is 2" band coarse remobilized massive sphalerite w local angular fine Py clasts. Bottom contact appears to be faulted TOI - 199.6 - intact ; 199.6 - EOI - v. broken -; Recov. good. Est Pb+Zn 18-20%
	2010	2028		19	5B16012	± 9 minor ± $ {5B62}
		61 8				Med dark grey - PS2 fol, slightly carbonaceous phyllite. S2 surface shiny med. dark grey. Top 5" contain thin Sph+Gn bands //S2 Pb+Zn < 1% - contains local minor dol. within thin qtz. siltstone lam. Core very broken along S2 Recov. good
	2028	2250		110	15B612	± $ minor
		68 6				PS2 foliated - dark grey, mod. carbonaceous, non calcareous phyllite - S2 surface shiny dark grey + slightly mark finger. Contains local dol. within thin qtz. silt. laminations locally siltstone lam. to thin lithons - mod. soft TOI - 205.6 - rubble 1ft core lost ; 205.6 - EOI - very broken along S2 - recov. good - minor insipient gouge

DDH 89G-27

CURRAGH RESOURCES INC.
Lithologic Log

Page 7

Date: 28/09/89 Logged By: PL

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
	2225 0	2327		111	5A10	(5B3 Bio) (5B62 ±$) 33/33/33%
		70 9				
						Highly mixed unit
						TO1 - 231 - dark grey PS2 foliated non calcareous phyllite - same as unit 10 Interbanded in this unit are 2 x 15cm thick bands of very calcareous thinly CS_2 laminated biotitic phyllite - calcite is ubiquitous. Within biotite rich bands are local thin qtz rich lithons. S_2 surface dark brown/grey - Margin of bands // S_2 Bands are centered at 227.3 + 230.5
						231 - EOT - Very hard black thinly PS2 laminated siliceous carbonaceous phyllite. S_2 surfaces dull black Contains local thin qtz ± calcite bands // S_2
						Unit v. broken - recov. good.
	2327	2349		112	5B16	± BXA
		71 6				
						Light grey in slight green tinge, PS2 foliated, non calcareous musc-phyllite, S_2 surface shiny light grey.
						Bottom 1.5 ft abundant highly fractured & brecciated qtz. veins. Surrounding phyllite also fractured & bxnted - Qtz v. 2-8cm. Dolomite ± chlorite infills fractures in veins
						Core slightly broken - recov. good.

DDH 89-G-27 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date 28/09/89 Logged By: PL

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	2349	2410 0		13	5B216	± I ± $ minor
		73 2				
						Dark grey, mod soft to locally hard, thinly PS2 laminated, mod. carbonaceous, non calcareous phyllite. Contains local bands upto 5cm thick w abundant interstitial fine qtz - margins of silicified intervals are sharp // S2. Silicified bands 20% unit volume. S2 surface shiny dark grey. Contains minor local dol within thin qtz. siltstone bands. Locally defined lithons.
						TOI - 236.2 V. broken, recov. good
						236.2 - EOI Mod. broken, recov. good.
	2410 0	2718 8		14	5B02	± $
		84 8				
						Mod soft, dominantly PS2 foliated, locally slightly calcareous, med-dark grey phyllite. Contains local thin qtz ± calcite ± dol siltstone bands + laminations. Locally bands define microlithons - S2 surface shiny med. to dark grey. No obvious faults
						TOI - 273 - very broken along S2 + local fractures Good recov.
						273 - EOI - mod. broken, good recov.
	2718 8	2886		15	4D41	$ minor. {4E 14 16 I $ minor}
		88 0				
						V. hard - Thinly banded to massive pyritic massive sulphide. Upper contact sharp // S2

DDH 89-6-27

CURRAGH RESOURCES INC.

Lithologic Log

Date: 27/07/89 Logged By: PL

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
				115	CINTIDI.	Where banded, bands define S2. Has 3-5% sub-angular to sub-rounded brecciated 2mm to 2cm clasts of qtz./dol. Bottom contact gradual defined by appearance of barite. Locally have 3-5cm "clasts" of fg. Py in base metal rich matrix. Entire unit is weakly broken + mod. fractured sub-parallel to CAX. fractures filled w calcite. Good core recov. Est. 18-20% Zn+Pb
	2886	2948 89 9		116	41614	$ minor
						V. hard pyritic, barritic, high grade sulphide. Thinly banded // S2 - Compositional banding of Sph + Gn, Py + barite + qtz locally bands are folded (S fold) slightly. Barite is associated w minor qtz + dolomite Has 2-3% 2mm to 1cm sub-angular to sub-rounded clasts of qtz/dol. Top contact is gradual + defined by appearance of barite. Lower contact is sharp // S2. Unit very weakly broken - mod. fractured sub-parallel to CAX - fractures filled w calcite Good core recov. Est Zn + Pb - 18-20%

DDH 89-G-27 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: 27/09/89 Logged By: PL

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	12914 8	13010 6		117	15B416	9 minor, ± $ (5D4 - gouge) ± $ 50/50 %
		91 6				
						5B40 - V. soft light grey/green, slightly brecciated chloritic phyllite. Light grey/green on S_2 plane. Minor sphalerite laminations within 6 in of upper contact - Tr-1% diss Py blebs & f.g. euhedral Py throughout. S_2 defined by light green and grey compositional irregular laminations of chlorite & muscovite. Local 0.5cm - 2cm qtz. blebs stretched // S_2. Qtz/dol blebs within 6" of upper contact. Upper contact sharp // S_2 Lower contact rubbly. TD1 - 296.6, mod. fractured - good core recove
						5D4 - Gouged chloritic altered phyllite - probably altered metabasite. Powdery & light grey green. "Talcose" & shiny light green on S_2 surface. Upper contact rubbly. Last 4" is white altered dol. rich in 5% anhedral Py blebs. Lower contact sharp // S_2 Core is rubbly & powdery - core recov. good.
	13010 6	13015 0		118	14D014	± $, minor 2 (4E48 ± $) 60/40%
		93 0				Dominant - Mod hard PS2, laminated light to dark grey sphalerite bearing qtzite. Laminations defined by qtz rich bands, sphalerite laminations & med grey v. weakly carbonaceous bands. S_2 planes are shiny light to med grey & stain fingers - lightly. Non calcareous

DDH 89-6-27

CURRAGH RESOURCES INC.
Lithologic Log

Date: 29/09/89 Logged By: PC

Code	From	To	Recov.	No.	Unit	Description
						Lesser - v. hard banded pyritic, dolomitic, high grade magnetite bearing massive sulphide. Bands of Py and Sph/Gn define S_2. Sph./Gn bands have v. f. grained sub to anhedral specks of Py. Minor magnetite specks. Local qtz/dol. blebs + veinlets stretched // S_2
						Entire interval is moderately broken and is very weakly fractured.
						Upper contact is sharp + parallel to S_2
						lower contact is brecciated but sharp and is parallel to S_2. At upper contact have 7" of massive sulphides.
						At lower contact have 1.2" of massive sulphides.
						In both areas massive sulphides grade into sulphide rich quartzite.
						Core recovery good. Est. Ph+Gn 5-10%
305.0	315.0	1 8	19	5 B 4 6		± 7 minor BXA ± 1
	960					V. soft light beige to light green laminated non calcareous musc., chlorite phyllite. S_2 defined by compositional laminations of chl. + musc. local laminations of Py // S_2. Minor brated qtz chlorite veins with dolomite infilling of fractures.
						Veins ≤ 5cm Upper contact sharp & weakly brecciated parallel to S_2.
						305.0 - 308.0 local areas of very altered & v. broken

DDH 89-G-27 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: 29/07/89 Logged By: PL

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
				19	GNITD?	phyllite. Good recovery 305 - EOI very broken but fewer very altered powdery zones. Good recovery. Lower contact is gradual decrease of muscovite + higher % age chlorite - rock gradually gets darker green/grey. S_2 surface is shiny pale green/grey.
	315 0	331 100 9		20	5B6 04	{5B64} PS_2 foliated v. soft dark green to grey chloritic, musc. poor, non-calcareous phyllite. S_2 surface shiny dark green/grey. Local qtz veinlets (≤ 4cm) // S_2 w chlorite minor Py + minor dol + ank/sideritc. Local dark weakly carbonaceous laminations // S_2 TOI - 319.7 mod. broken - good recov. 319.7-321.5 - very broken locally "pulpy chips" 321.5 - EOI - mod to str. broken - good recov. Upper + lower contacts gradual + poorly defined.
	331 0	351 1070		21	5B62	0± (5B3 Bio) 90/10 %. Dominant - PS2 foliated soft to very soft chloritic v. weakly calcareous, weakly carbonaceous dark grey/green phyllite. S_2 planes are shiny light to med grey. Lithons define S_1. Minor 3-5 cm qtz veins w chlorite + minor Py. Wallrock

DDH 89-6-37 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: 29/09/89 Logged By: PC

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
				21	CNTID1.	of veins is weakly brecciated & often rubbly
						Lesser v. soft PS2 foliated med green/grey and brown biotite-rich, calcite-rich phyllite. Chlorite & biotite laminations define PS2. Minor qtz./calcite veinlets. Wallrock is weakly folded. This sub-unit lies at 347.0 - 349.5 & grades back into the dominant unit.
						TOI - 340.6 mod. broken/ - good recov.
						340.6 - 341.5 - strongly broken - good recov.
						341.5 - EOI - mod. broken - good recov.
						Entire unit is weakly fractured.
						Upper contact gradational - lower contact sharp & // Sz
					SILI.	
	315 1	353 7		22	1SIB716	± $ (SB4) 90/10 %
		107 8				
						v. soft PS2 laminated chloritic, non calcareous phyllite. Weakly dolomitic locally. Med. green, shiny silvery green of Sz planes. Minor qtz veinlets w dol infilling of cracks. veinlets // Sz
						Upper & lower contacts consist of 4-5 cm of altered weakly calcareous very highly broken (almost powder) light green chloritic phyllite. Upper & lower contacts, sharp & // Sz
						Entire unit is mod - strongly broken weakly fractured & has good recovery.

DDH 89-G-27
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: 29/09/89 Logged By: ML

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	3537	3679		23	5B16	# minor
		112 1				
						Soft PSz laminated med- to dark green chloritic non calcareous (except locally) phyllite. Local 10cm area is weakly calcareous. 5% 0.5 - 10cm qtz, dol., chlorite veins w 1% Py. Veins // Sz. Light to med. grey/green on Sz surface. Upper contact sharp & // Sz - Lower contact is gradational
						Entire interval mod broken & mod fractured
						Good core recovery.
	3679	3768		24	5B16104	(5B6) 80/20
		114 8				
						Dominant- Soft PSz laminated light to medium green / khaki non calcareous phyllite. Minor ≤ 2cm qtz: chlorite, dol veinlets w tr-1% Py. Veinlets // Sz. Light shiny silvery grey on Sz planes.
						Lesser- Soft PSz laminated med to dark green chloritic non calcareous phyllite - Same as unit 23. This entire interval represents a transition zone from unit 23 to unit 24.
						TOI - 374.0 - Mod broken & fractured - good recov
						374.0 - EOI - Strongly fractured, good recov.
						Interval is weakly fractured.

DDH 89-G-27
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: 29/09/89 Logged By: PL

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	3718 8	4101 0		25	4L161	$minor "Stringer" (Sb24) 95/05 %
		121 9				
						Dominant V. soft PS2 laminated musc rich, weakly chloritic, weakly dolomitic, med green/khaki phyllite. S2 planes are light greenish silver + shiny. + talcose. Leaves light grey powder on finger. PS2 defined by composition banding of chlorite rich + musc. rich bands + laminations. Tr stringer of Py // S2 Local 0.5cm to 10cm qtz./dol and/or siderite/ankerite veins + fracture fillings of weakly brecciated areas. Minor stringers of Py + qtz // S2. Some of 16 qtz/carb. veinlets have chlorite.
						Lesser - V. soft PS2 foliated med. grey, weakly carbonaceous non calcareous, v. weakly chloritic. S2 planes med grey + shiny. Rock is slightly sanded. Is softer than dominant interval, local lithons define S1
						Upper contact of entire interval is sharp // S2 Lower contact is gradational + is a transition in colour from a greenish beige colour to a predominant beige colour.
						TOI - 389 - strongly broken - weak fault gouge at 378.6 - 379.1. Weakly fractured - good recov.
						389 - EOT - weakly to mode broken., weakly fractured. Good recov.

DDH 89-6-27

CURRAGH RESOURCES INC.

Lithologic Log

Date: 20/09/89 Logged By: RC

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	141010	141519	6	216	4L101	$ minor "stringer" ± $
		140	1			
						V. soft PS_2 foliated light khaki beige w light green tinge, muscovite rich, non calcareous phyllite S_2 plane is light grey to white + "talcy". PS_2 defined by light beige + slightly dark beige muscovite rich laminations. 2-3% Py stringers parallel + sub-parallel to S_2 In these stringers ankerite/siderite are also present. Local gouged powder white areas.
						TOI - 402.6 - weakly broken - good recov.
						402.6 - 439.5 - V. strongly broken - several 1 - 2 ft. gouge areas. Lost 2ft of core in that interval
						439.5 - EOI - Weakly to mod. broken - Very broken at 451.5 - 453.6. + 455.7 - EOI . Good recov.
						Entire interval is weakly to mod. fractured
						Upper contact gradational - lower contact sharp @ // S_2
	141519	141698	3	217	5B1612	I 4
		142	7			Soft PS_2 foliated - med. grey to med khaki (depending on musc. content) weakly carbonaceous, weakly muscovitic, non calcareous phyllite. Rock is more beige in areas where there is more musc. (10% of core) S_2 planes are shiny light grey/green to white. Minor Py filled fractures.
						TOI - EOI weakly broken, wkly fract. - good recov.
						Upper contact gradual - lower contact gradual. Marked

DDH 89-6-27

CURRAGH RESOURCES INC.

Lithologic Log

Date: 30/09/89 Logged By: PL

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						by appearance of base metals
	1416 8 3	1417 6 4 145 2		28	5B6012	9 minor ± 1 ± bio
						Soft to hard PS2 foliated med. to dark grey, weakly carbonaceous, non calcareous musc. rich phyllite. Has local areas w minor bio. . Med. to dark shiny grey on S2 surface. 1-2% 0.5cm - 10cm qtz veins w ank/sid-fracture fillings. These veins contain 3-5% Pyt Pot Gn + Cpy. Core is siliceous + can't be scratched w a nail locally. Rock v. weakly broken + weakly fractured. Good recov. Upper contact grad. . Lower contact sharp + // S2
	1471 6 4	4814 9 147 8		29	41L01	Minor BxA
						PS2 foliated light grey w khaki tinge, musc rich non calcareous v. soft phyllite. Locally broken + has lithons which define S1 . Small fold nose (// CAX) at 478.00 - 479.0 . Minor qtz./dol/ank/sid. veinlets // S2 w minor Py. Upper + lower contacts sharp + // S2 . Mod. broken except for fold nose which is sanded. high grey/green + shiny on S2 plane. Good recov.

DDH 89-G-27 (2 8)

CURRAGH RESOURCES INC.

Lithologic Log

Date: 30/09/89 Logged By: PL

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	488 9	4817 9		310	4D41	{4A0}
		148 7				Hard PS_2 laminated blocks, carbonaceous, strongly siliceous sph/Gn bearing qtzite. PS_2 is as defined by compositional laminations of dark carbonaceous pelite, white 2mm elipsoidal bandimaged qtz laminations + sphaleorite laminations. Rock is mod. fractured - These are filled w/ qtz./ank/sid./dol. veinlets w/ minor Py. Minor folding observed. Upper contact is sharp + // S_2 Lower contact is brecciated, folded + qtz/Fe carb infilled w/ 5-10% Sph+Gn This occurs over last ft. Rock is mod. broken + mod fractured over entire interval. V. broken at 85.6 - 86.8. Good core recov.
						Est. Pb+Zn 3÷5%
	4817 9	4910 3		311	4E41	$
		149 4				High-grade, hard thinly banded dolomitic massive sulphides. Compositional banding of Sph/Gn + Py define S_2. Has minor brecciated qtz/dol/ank/sid. veinlets + clasts w/ Sph/Gn, Py + tr. Cpy.
						TOI - 488.4 - v. wkly broken } Good recov.
						488.4 - EOI - strongly broken }
						Est. Pb+Zn - 18 - 20%

DDH 89-6-27

CURRAGH RESOURCES INC.
Lithologic Log

Date: 30/04/89 Logged By: PL

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						[4A0]
	14910 3	14916 4		312	14A141	Hard PS2 laminated black, carbonaceous, non calc., strongly siliceous Sph/Gn bearing qtzite - Same as unit 30. locally lithons define S1. Mod. to strongly fractured - Nun calcareous. Est Pb+Zn 2-3%
		151 3				Black on S2 surface. Mod fractured w qtz infilling as veins upto 10cm wide w 5-10% sph+Gn
						Minor Py in rock - Upper + lower contacts broken but sharp - Good recov.
	4916 4	14991 9		313	14E141	3 minor porous (4D4) 70/30%
		152 4				
						Dominant - Porous, high-grade, soft to hard, compositionally banded, magnetite + Sph+Gn bearing, pyritic massive sulphide. Is soft where more porous. Is folded in S fold + this defines S1. Fold runs sub parallel to CAX. In between folds have lesser unit.
						Lesser - Hard laminated black carbonaceous, siliceous, non calc., str. sil qtz. of unit 32. Compositional banding defines PS2
						lower 1.7 ft. of entire unit is folded qtz./dol breccia'd veins up to 20cm intercallated w massive Sph/Gn bearing massive sulphides
						Rock weakly to mod. broken - mod. to str. fractured Good recov - Est Zn+Pb ~12-15%

DDH 89-G-27

CURRAGH RESOURCES INC.
Lithologic Log

Date: 30/07/89 Logged By: PL

Code	From	To	Recov.	No.	Unit	Description
	10 14	16 20	22 24	26 28	30 34	35
	4999	5256		34	41A41	BXA ± $ ± (4 E 04) (4LO) "stringer" 79/20/1%
		160 2				
						Dominant- PS2 laminated hard black carbonaceous, non calcareous pyritic, Sph/Gn bearing qtzite. Compositional banding of carbonaceous black pelite, qtz bands & massive Py w minor Sph/Gn define PS2 Lesser unit is actually thick sulphide bands within qtzite. Bands as large as 0.9 ft are found Py band are weakly dolomitic in fractures. Local minor brecciation in qtzite.
						Entire unit is strongly broken - except at 5265 - EOH where rock is weakly broken.
						Core recov good except between 505 - 510.5 where 1.5 ft is lost.
						Est. Pb+Zn - 5-10%
						At 524.0 - 524.4 have lense of soft light blackish weakly dolomitic musc. rich PS2 foliated phyllite w 1 stringer of Py
						Upper contact sharp & // S2 Lower contact marked by beginning of brecciated area & lesser amount of black carbonaceous bands.

DDH 89-G-27 (2 — 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: 30/09/89 Logged By: PL

Code	From	To	Recov.	No.	Unit	Description
1	10 — 14	16 — 20	22 — 24	26 — 28	30 — 34	35
	5125.6	5133.1		35	4D4'11	BXA ± 5 minor
		162.5				
						PS2 laminated pyritic, Sph/Gn bearing, siliceous, hard, non calcareous, locally brecciated qtzite. Has minor carbonaceous bands. Where brecciated have ~60% sulphides, dominantly pyrite. Banding is not as obvious as unit 34. Sulphides consist of 40-50% of core. Est Pb+Zn - 5-10%. Upper contact is beginning of BXAtion. Lower contact sharp but next unit is rubbly. BXated over 60-70% of core
						TO1 - 529.5 wkly bxatzn 529.6 - EOI v. strongly bxatzn } Good recov., mod. fractured
	5331	5433		36	5A1'16	9 minor
		165.6				
						Hard, PS2 laminated black, siliceous, carbonaceous, weakly Sph/Gn bearing, non calcareous phyllite. PS2 defined by black graphitic band, & qtz bands + minor Sph/Gn laminations. S2 plane dark grey & easily smudges finger. Lithons locally. Upper contact rubbly but sharp. Lower contact gradual. Noted by increase of qtz bands & almost complete decrease of Sph/Gn.
						TO1 - 537.4 - Rubbly 537.4 - EOI mod. bxatzn
						0.5 ft lost within unit. Est Pb+Zn - 2-3%

DDH 89-26-27 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: 30/09/89 Logged By: PL

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	5413 3	5417 5		37	51A1116	9 minor
		166 9				Very hard siliceous non calcareous PS2 laminated carbonaceous phyllite, 40-50% qtz bands, 50-60% black graphitic bands. S2 surface med grey - Smudges finger. Comp banding defines PS2. Tr. Sph/Gn laminations. Lithons locally
						Upper contact gradual - Lower contact gradual - Mrkd by appearance of Po. Weakly broken. Good recov.
	5417 5	5510 4		38	51A11619	
		167 8				Identical to unit 37 but have 5-10% Po blebs // S2 + tr Cpy. Rock is v. weakly broken + recov. is good. tr. sph laminations
	5510 4	5610 5		39	51A101	9 minor
		170 8				
						PS2 laminated black graphic non calcareous, mod hard to soft, locally wkly silicified. Qtz + black graphitic laminations define PS2 2-3% Po laminations // S2. Upper contact gradual. Wkly to mod. broken. Good recov.
						560.5 EOH

DDH 89-6-27 (2 8)

CURRAGH RESOURCES INC.

Structural Log

Page 1 of 1

Date: Sept. 1/89 Logged By: A. Reznik

Code	From	To (feet)	Feature	Sym	S_0 Dip Direct.	S_1 Dip Direct.	S_2 Dip Direct	Description
1	10 14	16 20	22 24	26	28 32	34 38	40 44	
		11516 -	RS11	-		216		micaceous flms present.
		11618 -	RS12	-			79	S_2 defined by thin laminations & also thin altered musc laminations.
		11912 -	RS12	-			67	comp banding present.
		12017.5	RS12	-			61	comp banding present.
		12132 -	RS12	-			417	thin micaceous laminations define S_2
		12418 -	RS12	-			610	" " " " "
		12516 -	RS11	-		S_0 613		S_0 def'nd by thin silvery laminations
		12713 -	CS12	-		412 01010	610	S_1 strongly developed & defined by thin laminations.
		13018 -	RS12	-			86	S_2 defined by thin altered musc laminations
		13118 -	RS12	-			68	S_2 defined by thin micaceous lmnths
		13412.5	CS12	S		48 01215	613	" " " " " "
		13612 -	RS12	-			611	S_2 defined by thin laminations
		13616.5	CS12	S		510 01710	710	Thin micaceous laminations present
		13919 -	CS12	S		317 31118	710	" " " "
		14102 -	RS12	-			716	S_2 defn'd by thin 'altered' musc laminations
		14312 -	CS12	S		413 01215	710	S_2 " " " " " "
		14416 -	RS12	-			713	" " " " " " "
		14617 -	CS12	S		310 31215	517	Thin micaceous laminations present.
		14912 -	CS12	S		318 01815	715	" " " "
		15012 -	RS12	-			714	S_2 defined by Py banding; Late fractures present approx 1cm long; angled at 15°
		15115.5	CS12	S		417 01010	517	S_2 defined by Sph; Py banding.
		15418 -	CS12	S		319 11210	813	S_2 defined by Py banding
		15517 -	CS12	S		414 01210	718	micaceous flms present.
					EOH			

C.R.I. 1987 E - 4

DDH 89G-27 CURRAGH RESOURCES INC. Page 1 of 1

Logged by P. Ladaidge

ASSAY LOG (SAMPLER'S COPY) Date 1/10/89 Sampled by

CODE	FROM	TO	SAMPLE	INTR.	REC (m)	UNIT	DESCRIPTION
	10 04	16 47 26	22 — 25	28 — 30	32 — 34	36 — 40	42
	1156	1158	373513	20	0.6 20	13A4	(5C4#) (4DO) 33/33/33%
	1580	1611	373514	33	1.0 33	1G4	±#±$ (4LO) 50/50%
	1613	1647	373515	34	0.9 30	1G4	±#±$ (4LO) 50/50%
	502	504	—	—	—	WASTE	
	1579	1849	373516	51	1.5 48	1G4#	(5C4$) (566) 93/5/2%
	1849	1907	373517	51	1.5 50	1G4#	11
	517	606	—	—	—	WASTE	
	1908	2001	373518	12	1.1 12	4G4±4	
	2001	2028	373519	17	1.5 17	5B6012	± 9 minor ± $
	618	848	—	—	—	WASTE	
	2758	2816	373610	35	1.1 35	1D4	$ minor
	2816	2851	373611	35	1.1 35	1D4	11
	2851	2886	373612	35	1.1 35	1D4	11
	2886	2911	373613	31	0.8 26	1G4	$ minor
	2911	2948	373614	31	0.9 31	1G4	11
	2948	2965	373615	20	0.8 20	5B46	9 minor
	965	916	—	—	—	WASTE	
	3006	3050	373616	44	1.3 44	1D04	± $, minor 2, (4E48±$) 60/40%
	930	1478	—	—	—	WASTE	
	4849	4887	373617	30	0.9 30	1D4	
	4879	4903	373618	24	0.7 23	1E4	
	4903	4933	373619	31	0.9 31	1A4	11
	4934	4964	373710	30	0.9 30	1A4	11
	4964	4999	373711	35	1.1 35	1E4	9 minor (4D4) 70/30%
	4999	5040	373712	41	1.2 41	1A4	Bxa ± $ ± (4E04)(4LO) "string" 79/20/1%
	5040	5091	373713	50	1.3 42	1A4	11
	5090	5140	373714	50	1.2 38	1A4	11
	5140	5180	373715	40	1.0 40	1A4	11
	5180	5220	373716	40	1.0 40	1A4	11
	5220	5256	373717	36	1.1 36	1A4	11
	5256	5294	373718	38	1.1 36	1D4	BxA ± 5 minor
	5294	5331	373719	37	1.1 37	1D4	11
	5331	5382	373810	51	1.6 51	5A16	9 minor
	5382	5433	373811	51	1.3 43	5A16	9 minor
	5433	5475	373812	42	1.3 42	5A169	9 minor
	5475	5504	373813	29	0.9 29	5A169	
	167.8	170.8	—	—	—	WASTE	

EOH

PROJECT _____ DRILLHOLE NO. DDH89 G27 COORDINATES: N _____ DATE Aug 30 1989

LOCATION _____ HOLE SIZE _____ E _____ PAGE 1 of 4

LOGGER G. GRUBISA INCLINATION _____ ELEVATION _____

PITEAU & ASSOCIATES
GEOTECHNICAL CONSULTANTS
VANCOUVER CALGARY

GEOTECHNICAL CORE LOG

DEPTH (TO)	LENGTH OF RUN	CORE RECOVERY		RQD		HARDNESS	DEGREE OF BREAKAGE		DEGREE OF WEATHERING	ROCK TYPE	BEDDING DIP		BEDDING JOINTS		CROSS JOINTS		COMMENTS
		LENGTH	%	LENGTH	%		CATEGORY	NO.			DEPTH	ANGLE	NO.	FREQ.	NO.	FREQ.	
136.5	136.5	0.2		0			5		C						0		
141	4.5	2.2		0			5		C						0		
145	4	2		0			6		D						0		
150	5	4.8		0.4			6		E						2		
155.5	5.5	5		0.75			6		D						3		
161	5.5	5.2		1.95			7		E						1		
165	4	3.6		0.8			7		E						0		
170	5	4.7		0			6		E						2		
175	5	4.8		2.1			7		F						1		
181.5	6.5	6.3		2			7		F						3		
184	3.5	3.3		0.65			7		E						1		
191.5	7.5	7.1		1.9			7		E						1		
196.5	4.5	4.2		0			6		E						1		
198.5	2.0	2.0		0			6		F						1		
201.5	3.0	3.0		.5			6		F						1		
203.5	2.0	2.0		0			6		F						0		
205.5	2.0	1.8		0			6		F						0		
207.5	2.0	2.0		0			6		F						1		
209.5	2.0	2.0		0			6		F						0		
214.5	5.0	3.5		0			7		F						2		
218	3.5	3.5		0			6		F						1		
222	4.0	3.7		0			6		F						3		
226	4.0	3.3		0			6		F						1		
228.5	2.5	2.3		0			6		F						1		
231	2.5	2.0		0			6		F						1		
236	5.0	5.0		1.35			8		F						2		
241.5	5.5	5.5		.7			7		F						0		
246.	4.5	4.5		0			7		F						2		

Fig. 1. Typical rock mechanics core log.

PROJECT _____ DRILLHOLE NO. DDH-896-27 COORDINATES: N _____ DATE Sept 1/89

LOCATION _____ HOLE SIZE _____ E _____ PAGE 2 of 4

LOGGED A. Reznik INCLINATION _____ ELEVATION _____

PITEAU & ASSOCIATES
GEOTECHNICAL CONSULTANTS
VANCOUVER CALGARY

GEOTECHNICAL CORE LOG

DEPTH (TO)	LENGTH OF RUN	CORE RECOVERY		RQD		HARDNESS	DEGREE OF BREAKAGE		DEGREE OF WEATHERING	ROCK TYPE	BEDDING DEP		BEDDING JOINTS		CROSS JOINTS		COMMENTS
		LENGTH	%	LENGTH	%		CATEGORY	NO.			DEPTH	ANGLE	NO.	FREQ.	NO.	FREQ.	
251.5	5.5	5.5		0			7		F						1		
257	5.5	5.5		0			7		F						2		
262	5.0	5.0		0			7		F						3		
266	4.0	3.8		0			7		F						1		
271.5	5.5	5.5		0			7		F						2		
273	1.5	1.3		0			6		F						0		
278.5	5.5	5.5		1.3			8		E						3		
284	5.5	5.5		1.7			9		E						3		
289	5.0	5.0		4.2			10		F						1		
294	5.0	5.0		2.7			10		F						2		
299.5	5.5	3.7		1.3			9		F						0		
305	5.5	5.5		1.5			8		F						4		
310	5.0	5.0		.35			8		F						3		
315	5.0	5.0		0			7		F						2		
320	5.0	5.0		.35			7		F						2		
325	5.0	5.0		0			7		F						1		
331	6.0	5.8		.75			7		F						2		
336.5	5.5	5.0		.70			8		F						1		
342	5.5	5.5		.70			8		F						1		
347	5.0	5.0		.75			8		F						2		
351.5	4.5	4.5		.35			7		F						2		
356.5	5.0	5.0		0			7		F						1		
361.5	5.0	5.0		.35			8		F						1		
367	5.5	5.5		1.5			8		F						2		
372	5.0	5.0		0			7		F						2		
377	5.0	5.0		0			7		F						1		
382	5.0	5.0		.9			8		F						1		

Fig. 1. Typical rock mechanics core log.

PROJECT _____ BOREHOLE NO. DDH 89-6-27 COORDINATES: N _____ DATE Sept. 1/89

LOCATION _____ HOLE SIZE _____ E _____ PAGE 3 of 4

LOGGED A. Rezvik INCLINATION _____ ELEVATION _____

PITEAU & ASSOCIATES
GEOTECHNICAL CONSULTANTS
VANCOUVER CALGARY

GEOTECHNICAL CORE LOG

DEPTH (TO)	LENGTH OF RUN	CORE RECOVERY		RQD		HARDNESS	DEGREE OF BREAKAGE		DEGREE OF WEATHERING	ROCK TYPE	BEDDING DEP		BEDDING JOINTS		CROSS JOINTS		COMMENTS
		LENGTH	%	LENGTH	%		CATEGORY	NO.			DEPTH	ANGLE	NO.	FREQ.	NO.	FREQ.	
382																	
387	5.0	5.0		.7			7		F						2		
392	5.0	5.0		1.7			8		F						0		
397	5.0	5.0		1.2			8		F						1		
402	5.0	5.0		3.25			10		F						0		
407	5.0	5.0		.75			8		F						2		
411.5	4.5	3.7		0			7		F						1		
416	4.5	4.5		0			7		F						3		
421	5.0	5.0		1.2			8		F						1		
426.5	5.5	5.0		0			7		E						2		
432	5.5	4.5		0			7		F						3		
437	5.0	3.4		0			6		D						2		
442	5.0	5.0		1.0			7		E						1		
447	5.0	5.0		2.4			9		F						0		
452	5.0	5.0		.5			8		E						0		
457	5.0	5.0		.85			8		F						2		
462	5.0	4.2		0			7		F						0		
467	5.0	5.0		4.05			10		E						0		
472	5.0	5.0		3.8			10		F						0		
477	5.0	5.0		3.3			10		F						0		
482	5.0	5.0		.6			8		E						4		
487	5.0	5.0		1.6			8		F						3		
492	5.0	5.0		1.05			6		E						3		
497	5.0	5.0		.75			6		E						4		
502	5.0	5.0		1.4			7		E						3		
505	3.0	3.0		0			5		E						1		
510.5	5.5	4.5		0			6		E						2		
515.5	5.0	5.0		.35			6		E						2		

Fig. 1. Typical rock mechanics core log.

PROJECT _____ DRILLHOLE NO. DDH-89-6-27 COORDINATES: N _____ DATE Sept. 1/89

LOCATION _____ HOLE SIZE _____ E _____ PAGE 4 of 4

LOGGED A. Rezaik INCLINATION _____ ELEVATION _____

PITEAU & ASSOCIATES
GEOTECHNICAL CONSULTANTS
VANCOUVER CALGARY

GEOTECHNICAL CORE LOG

DEPTH (TO) 515.5	LENGTH OF RUN	CORE RECOVERY		RQD		HARDNESS	DEGREE OF BREAKAGE		DEGREE OF WEATHERING	ROCK TYPE	BEDDING DEP		BEDDING JOINTS		CROSS JOINTS		COMMENTS
		LENGTH	%	LENGTH	%		CATEGORY	NO.			DEPTH	ANGLE	NO.	FREQ.	NO.	FREQ.	
520.5	5.0	5.0		0			7		E						8		
525.5	5.0	5.0		1.0			8		F						6		
530.5	5.0	5.0		2.7			10		F						3		
536	5.5	5.0		0			5		F						2		
541	5.0	5.0		.4			5		F						1		
546	5.0	5.0		.35			7		F						2		
551	5.0	5.0		1.7			9		F						1		
556	5.0	5.0		1.35			9		F						0		
560.9	4.5	4.1		1.05			8		F						0		
							— EOH —										

Fig. 1. Typical rock mechanics core log.

89-G-28

CURRAGH RESOURCES INC.

Page 1 of ____

DIAMOND DRILL CORE LOG

Date: _____

Hole Number: 89G-28

Reference Fabric Orientation Diagram:

Project: 1989 GRUM FILL-IN

Location: _____

Claim: _____

Terr.Plane Co-ords.: 6,904,836.758 N 6,211.16 N

592,407.030 E 2,689.37 E

Grid Co-ords: 68 W / 2+00 N

Elevation: 1278.595

All symmetry determinations looking

Total Depth: 367 feet

_____ with _____ dipping

Inclination: -55° to NE

_____ with dip azimuth _____.

Purpose: _____

Reason hole Terminated: Ore faulted away

Logged by: _____

Date(s) Logged: _____

Drilling Contractor: _____

	Size	CORE From	To	
	NW	0	148	feet
	NQ	148	367	feet

Collar Cased and Capped: No

Hole Cemented: No

Steel down Hole: No

Assay Lab: _____

Certificate No's: _____

Started: Aug 22/89 Completed: Aug 26/89

CURRAGH RESOURCES INC.

Diamond Drill Core Log

DDH 89G-28

Date: Logged By:

Code	Drillhole	Elevation	Northing	Easting	Units (feet/metres)	R.F.E	
1	2 8	10 16	17 24	25 32	34 39	41 42	
T							

FEET

Code	Drillhole	Depth	Zenith Angle	True Azimuth	Comments
1	2 8	10 14	22 26	28 32	34 56
R		00	-55.0	042.	AT COLLAR
R		1950	-56.0	040.0	SPERRY SUN
R		3450	-57.0	044.0	SPERRY SUN
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R					
R					
R					
R					
R					
R					

Code	Drillhole	Comments, Errant Remarks, Snivellings and / or Lewd Suggestions
1	2 8	10 56

DDH 89G-28
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Page 03 of

Date: SEPT 29/89 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	10	?1148 1618 0 451 1		1	#	TRICONED - NO RECOVERY
	1161810	1171210 524		2	#	Cream - white, mod weathered O/B 10 % B boulders + fragments. Boulders range ~Ø to 1.2' Ø local brown mud clay + O/B pebbles recid. 6.1' recid.
	1171210	1191455 593		3	5B1612	± 1% minor ± GOUGE (1000) (504 @) 85 10 5. Dominate unit is dark grey, thinly PSa foliated, mod soft, noncalcareous, mod carbonaceous phyllite. Sa surfaces shiny, medium grey. Local minor dolomite occurs in thin qtz-siltstone bands. Unit slightly weathered. Flaky gouge 182.0 → 185.5' Gouge appears to be mod // to Sa. 189 → 191.0 white pegmatitic qtz vein. Margins fract'd. 194.0 → 194.5, soft, pale green, anhedritic?, chloritic phyllite fragments. Largest piece recid, 1" Ø. TOI → 182.0 Rubble, 2.4' recid. 182.0 → 185.5 Rubble and gouge, 3.1' rec'd. 185.5 → 188.2 ± broken, recy good. 188.2 → EOI Rubble 3.9' recid.
	1191455	1211815 665		4	5B1610	?2 ± B10 minor (1000) minor Light to locally dark grey, locally CSa foliated, mod soft, noncalcareous, minor phyllite. Sa surfaces vary f

DDH B.96-28
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Page 04 of

Date: Sept 29/87 Logged By: CMR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Grey shiny light grey to dull dark grey. Unit becomes lighter moving down the interval.
						Contains abundant local thin incipient gouge intervals - margins of gouge generally // to Sa. Local minor bio like developed in thin laminations defining Sa
						707 → 198.7 v broken, local thin gouge intervals 4.0' spread out rec'd
						198.7 → 203.4 v broken, very gouged
						203.4 → 213.5 m broken, very gouged
						213.5 → EOH v broken, local thin gouge intervals, very O.K.
12118 1	12121 0 671			15	14A10	Rubble
						v hard, carbonaceous, ribbon banded qtzite rubble Largest intact piece 1.5" Ø. Unit highly fractured. Ribbon banding thin, generally < 2mm, extensive re-mobilization of S's into fractures.
						Margins of 4A gouged - may be clast within large fault zone? Est Pb+Zn 2-3%?
						Core is rubble 1.3' rec'd
12121 0	12121 5 686	1		16	15B16 12	Noncalcareous dark grey, mod soft, PS2 foliated phyllite. Sa shiny dark grey. Top contact against 4A slightly brecciated. Local fine py in thin fractures at contact.
						v broken, very good PS2 foliated.

DDH 89G-28

CURRAGH RESOURCES INC.
Lithologic Log

Page 05 of

Date: SEPT 29/89 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
	2251	2305 / 703		7	4L0	± "STRINGERED" Light buff-grey, mod soft, PS2 foliated, altered musc>chl phyllite. S2 light shiny silver-grey. Contains local thin "stringers" of qtz ± py ± minor sph + gal. Local thin fractures infilled with qtz ± dol. Core is broken, very good. Local minor gouge 229.3 → 229.6.
	2305	2405 / 733		8	4D0	Bra (4L124 Bra) 50:50 TOI → 235.5 Highly broken + fractured, light grey, mod soft → hard, sulphide bearing, altered phyllite breccia. Locally vuggy due to weathering of carbonate? in fractures. Abundant sulphide - dominantly fine py + sph infill fractures. S2 highly disrupted along abundant late fractures. Est Pb+Zn 5-6% dominantly Zn. 235.5 → EOI Highly fractured and broken, locally gouged, mod hard, light grey, sulphide banded qtzite. Banding ranges up to 2cm thick // to S2. Defined by sph > py + interstitial fine qtz. S= extensively re-mobilized into late thin fractures. TOI → 337.5 is broken, local thin gouge intervals, highly brecciated. Only 4.3' rec'd. 337.5 → EOI gouge + rubble, 0.6' rec'd.

DDH 89G-28
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: SEPT 29/89 Logged By: CWR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	12410 5	12415 5		19	141A10	(4E0) Bxa (5B26) Bxa ± GOUGE 50:40:10
		74 8				Domain unit is mod hard, locally vuggy, black, ribbon banded carbonaceous gtz-ser. PS2 foliated. S2 subparallel carbon blebs. Abundant tan green weathering coatings on fracture surfaces. Banding thin, diffuse, defined by py >> sph + gal + interstitial gtz. Bands oblique to CA - comprise about 25-30% of unit volume. Est Pb+Zn 3-5% MAYBE.
						4A occurs from 242.9 → EOI
						TOI → 242.2 is highly broken, vuggy, rusty, massive py sulphides breccia. Vuggy due to weathered carbonate in fractures. Abundant rust in pores + fracture surfaces. Py clasts angular, range up to 2" ø, fine py + minor gtz infill fractures. Est Pb+Zn 3-4%?
						TOI → 242.2 Rubble + Bxa 1.2' rec'd
						242.0 → 242.7 is mod soft, dark grey → black, nonlaminated, mod carbonaceous phyllite, PS2 foliated highly fissile along S2. Local incipient gouge in thin intervals // to S2. Margins to S= units are brecciated. V broken, 0.7' rec'd.
						242.7 → EOI V broken along abundant, tight, stepped, X-cutting fractures Recy 0.K.
	12415 5	12153 7		110	151B1416	GOUGE (5B360) Bxa ± GOUGE (5C4@) Fault.
		77 3				TOI → 250.4, V soft, light white-grey, nonlaminated flakes phyllite gouge. Core is gouge. 1.4' rec'd
						A significant fault?

DDH 89-28
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Page 07

Date: SEPT 29/89 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Top 2" of unit is PSz laminated, pale green, altered metabasalt. Anticlitic? Margins // to Sz.
						250.4 → EOI, v soft, dark grey, highly fractured, carbonaceous, moderately carbonaceous phyllite. Bottom 0.6' light grey & locally garsed. Fractures found near // to core axis. Core is broken & garsed, 3.1 ft rec'd.
						Bxa
	121513	121516	5	111	14D414	±5^(4A44) Bxa. (4E4) 50:40:10
		782				TOI → 254.5, Highly fractured, locally vuggy, v hard, v high grade, carbonaceous qtzite. Abundant red-brown sph infills fractures and forms matrix surrounding rotten bended carbonaceous qtzite clasts. Local late fractures infilled w fine py. Clasts angular, irregular shape, range up to 5cm ϕ. Est Ph+Zn 20-25% - dominately Sph.
						254.5 → 256.0 Highly fractured, v high grade, v hard, S^ bended qtzite. Banding defined by abundant fine sph >> gal + lesser py. Sulphides extensively re-mobilized into fractures. Locally vuggy due to weathering of carbonate in fractures. Est Ph+Zn 15-20%.
						256.0 → EOI is light brown, homogeneous, fine grained ss + sph + gal massive S^. Lower contact w 4A is broken. Est Ph+Zn 15-20%.
						Core v broken, 3.9' rec'd. Minor incipient gouge at 235.8 → 236.1.

DDH B96-28

CURRAGH RESOURCES INC.
Lithologic Log

Date: SEPT 29/89 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	12516 5	12614 8		112	1101910	(5B26) Bxa 95 5
		807				Locally, highly fractured, pegmatitic qtz vein. Locally vuggy due to weathering out of carbonate in fractures. Local patchy rust in fractures. Contains local "clasts" of black, carbonaceous phyllite. 259.3 → 259.9 is v soft, dark grey, carbonaceous phyllite bxa
						Core v broken 2.0' core loss.
	12614 8	12619 0		113	1518610	2 ± GOUGE
		820				Medium dark grey, highly broken + fractured, mod soft noncalcareous, locally sooted phyllite Sz surfaces medium → dark shiny grey. Contains local thin highly broken qtz vein "clasts"
						Core v broken v local thin incipient gouge. 2.6' rec'd.
	12619 0	12714 0		114	141610	±6 "Stringered". (504@) minor
		835				Buff grey-green to locally green-grey, mod soft, noncalcareous, Psz foliated, v altered musc+chl phyllite. Contains locally abundant thin qtz + py ± minor sphaleal stringers aligned ∥ to Sz. Sz clotted buff green-grey. Mod soft. Bottom 1.5' highly fractured - minor incipient gouge along fractures.
						Top 2" of unit is dull olive green, carbonatic? / chloritic phyllite band. Margins ∥ to Sz.
						Core mod broken along Sz. Recy Good.

DDH BAG-38
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: SEPT 29/89 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	12714 0	12887 9		115	14A10	
		887 8				Barren, black, v hard, locally highly fractured, ribbon banded carbonaceous qtzite. CSa foliated + banded. Ribbon banding is diffuse defined by qtz + py. Qtz ≥ Py in bands.
						Bands 30-35% of unit volume only, traces of spl + sal in bands. Bands range up to 2cm thick - define both S_1 + S_2, S_2 surfaces carbon black. Py content ± 20%
						TOI → 284.0 v broken, very good
						284.0 → EOI m broken, very good.
	R 1817 9	12911 9		116	14A10	Bxa (5C4 + "Fuchsite") 70:30
		890				TOI → 289.3 v soft, bright green, ankerite? / dolomite? porous, P_{S_2} laminated altered metabasite. Abundant bright green "fuchsite" in thin laminations // to S_2. Margins w 4A brecciated
						289.3 → EOI highly fractured + broken, barren, black ribbon banded carbonaceous qtzite. Same as # 15. Abundant re-mobilization of pyrite into thin fractures. Est Py 1%.
						Core is rubble + bxa, 4.5' recd
	12911 9	12914 9		117	14C5	Bxa
		899				Mod carbonaceous, dark grey, low grade, highly fractured and broken, v hard, py banded qtzite breccia. "in-ment" fault rock. Abundant re-mobilization of py into fractures. Banding consists of fine Py aggregates + abundant

DDH 890-28

CURRAGH RESOURCES INC.
Lithologic Log

Date: SEPT29/89 Logged By: CCR

Code	From	To	Recov.	No.	Unit	Description
						fine interstitial qtz. % Pb + Zn < 4% Py ≈ 15-20%
						v. broken, recovery O.K
	2949	3060		18	4E4	#1 ± Porous (4D43) (4A03Bxa) 85 : 15. TRACE.
		933				Dark brown, thickly PS2 banded, v hard to locally soft +
						friable, high grade massive pyritic S=. Noncalcareous. - Carbonate
						has been weathered out - unit locally porous as result. Banding
						defined by variations in red brown sph, + gal and locally
						by interstitial fine qtz content. within qtz - rich bands,
						qtz < 10% of unit volume. Locally vuggy due to weathering
						out of carbonate in fractures. Bands range up to
						15 cm thick, define S2.
						299.2 → 300.5, very hard, vuggy, high grade,
						thickly PS2 banded quartzite. Banding defined by fine sph >
						py - "microbuckshot" texture in bands. Bands range up
						to 3 cm thick // to S2, S= bands 50-60% of
						unit volume. Margins w massive py sulphides are
						brecciated - ductile flow textures at margins. Vuggy due
						to weathering of carbonate in fractures.
						305.7 → EOI highly fractured fragment of barren
						ribbon banded carbonaceous qtzite breccia. Banding defined by
						fine py + qtz. S2 randomly orientated. Major fractures +
						gouge dipping 34° to core axis. No orientation possible.
						Massive S= brecciated, highly friable + gouged at this
						contact.
						Bottom of massive S= cut off BY FAULT.

DDH BGG-28

CURRAGH RESOURCES INC.
Lithologic Log

Date: SEPT 29/09 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Est Pb + Zn 16-20% for entire interval.
						TOI - 305.5 I broken, very good
						305.5 - TOI rubble + bxn 0.7' rec'd sprouted
	13 10 16 0	13 12 2		1 19	GO U G E	+ Bxn
		95 2				v soft, dark grey - black, locally tan-green, noncalcareous phyllite sands + breccia Bottom 1.0' of interval are highly fractured, mod- carbonaceous, noncalcareous phyllite breccia fragments. Largest piece rec'd 1/2" ø.
						Core is sands + rubble 2.0' rec'd.
	13 12 R 2	13 12 15 8		12 10	S B G O	±2 minor (SC4@ø) minor
		99 3				Highly broken and fractured, dominately PS2 foliated, noncalcareous medium to locally dark grey phyllite. Mod- soft. S2 range from shiny steel grey to dull dark grey Contains locally abundant thin foliaform qtz veins. Rel infill local fractures in qtz veins.
						Near TOI is 4" thick band of pale green, S1 ankeritic / chloritic altered metabasite. Margins // to S2. Thinly PS2 laminated.
						Core v broken, 11.1' rec'd
	13 12 15 8	13 13 16 9		12 11	G O U G E	I Bxn
		102 7				Medium dark grey, flaky, noncalcareous, moderately carbonaceous phyllite sands and breccia. S2 is local angular clasts randomly oriented

DDH 89-G-38 (2 8)

CURRAGH RESOURCES INC.

Lithologic Log

Date: Sept 29/89 Logged By: CLL

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						A significant fault? Margins of gouge not rec'd
						Core is gouge + bxx - 6.1' spread out rec'd.
	13316 9	13516 1		12 12	15 B 16 10	± 8 minor ± B10
		108 5				Finally some half decent rock! - moving away from
						fault zone.
						locally CS2 foliated, locally biotitic, locally dolomitic,
						noncalcareous, light grey musc. phyllite. Biotite occurs
						locally in intervals up to 2' thick within thin
						laminations defining S2 and local lithons. Also occurs v.in locally
						thin selvages to qtz-silstone laminae. S2 surfaces
						medium shiny grey. Abundant + locally thin pegmatitic
						qtz vein "sweats". Locally have thin pale green
						chl selvages. Dolomite occurs locally in broad
						bands ^ and in thin laminations. Bands range up to
						15 cm thick. Laminae generally define S2.
						Top 25' slightly brecciated.
						TOI → 339.7 ~ broken, ~ brecciated, very good.
						339.3 → EOI ~ broken very good. no faults
	13516 1	13613 2		12 13	15 B 12 16	
		110 7				Locally CS2 foliated, dark grey to locally black, mod-
						soft, mod- carbonaceous phyllite. S2 shiny dark grey
						Contains local minor thin qtz silstone laminae - locally
						define lithons. Non calcareous
						TOI - 359.0 - mod broken, local minor bxx near

DDH 89G-28

CURRAGH RESOURCES INC.
Lithologic Log

Page 13

Date: SEPT 29/89 Logged By: cwa

Code	From	To	Recov.	No.	Unit	Description
						thin qtz veins, recry O.K.
						359.0 → EOF mod broken, recry O.K.
	3632	3670		24	4L6	t3 ± BIO
		1119				Light grey - green - brown "striped" locally w calcareous
						and biotitic, altered chl + bio > musc phyllite. Contains
						locally abundant biotite +chl in thin laminations defining S2.
						BIO rich intervals associated w abundant
						interstitial calcite. S2 surfaces are a clotted dull
						grey - green. Local thin qtz stringers contain minor
						diss py. Unit slightly broken, recry good.
						No faults.

EOH

Page _____ of _____

DDH 87-28

CURRAGH RESOURCES INC.
Structural Log

Date: Oct 1/87 Logged By: CLR

Code	From	To	Feature	Sym	S_0 Dip Direct.	S_1 Dip Direct.	S_2 Dip Direct	Description
1	10 14	16 20	22 24	26	28 32	34 38	40 44	
		11815	PSI2				FR	Micaceous Foliation
		12012	PSI2				610	"
		12115	PSI2				612	"
		12190	PSI2				416	"
		12515	PSR				510	Banding in 4D
		12710	PSI2				711	Micaceous Foliation
		R1814	QSI2			016	610 / 1810	Banding in 4A
		12915T	PSI2				511	Banding in 4A
		13111	PSI2				515	Micaceous Foliation
		13215	PSI2				610	Micaceous Foliation
		13420	PSI2				712	" "
		13518	PSI2				715	"
		13618	CSI2			412 0100	E11	Veining in 4C

EOH

DDH 89G-28 CURRAGH RESOURCES INC.

Page 1 of 1

Logged by ck

ASSAY LOG (SAMPLER'S COPY)

Date Oct 1/89 Sampled by

CODE	FROM	TO	SAMPLE	INTR.	REC (m)	UNIT	DESCRIPTION
	66.5 (218.1)	67.1 (220.0)	37340	19	0.3 11	4A0	
	67.1	70.3	—	—	—	WASTE	
	70.3 (230.5)	71.8 (235.5)	37341	50	0.6 20	4L	
	(235.5)	73.3 (240.5)	37342	50	0.9 31	4D0	
	(240.5)	74.8 (245.5)	37343	50	1.5 50	4AE	
	74.8	77.3	—	—	—	WASTE	
	77.3 (253.7)	78.2 (256.5)	37344	28	0.9 28	4D4415	(4A44) (4E4) 50:40:10
	78.2	83.5	—	—	—	WASTE	
	83.5 (272.0)	85.0 (278.9)	37345	49	1.0 49	4A0	
	(278.9)	86.9 (283.5)	37346	36	1.1 36	4A0	
	(283.5)	87.5 (287.0)	37347	35	1.1 35	4A0	
	(287.0)	89.0 (291.9)	37348	49	1.4 47	4A0	
	(291.9)	89.9 (294.9)	37349	30	0.9 30	4C5	Bxa
	(294.9)	91.0 (298.6)	37350	37	1.1 37	4EH	Porous
	(298.6)	92.0 (302.0)	37351	34	1.0 34	4E4	(4D4) 50:50
	(302.0)	93.3 (306.0)	37352	40	1.2 40	4E4	Porous
	93.3	111.9	—	—	—	WASTE	

EOH

PROJECT _____ DRILLHOLE NO. 89-G-28 COORDINATES: N _____ DATE 30/09/ 1989

LOCATION _____ HOLE SIZE _____ E _____ PAGE 1 of 2

LOGGER PL INCLINATION _____ ELEVATION _____

PITEAU & ASSOCIATES
GEOTECHNICAL CONSULTANTS
VANCOUVER CALGARY

GEOTECHNICAL CORE LOG

DEPTH (TO)	LENGTH OF RUN	CORE RECOVERY		RQD		HARDNESS	DEGREE OF BREAKAGE		DEGREE OF WEATHERING	ROCK TYPE	BEDDING DIP		BEDDING JOINTS		CROSS JOINTS		COMMENTS
		LENGTH	%	LENGTH	%		CATEGORY	NO.			DEPTH	ANGLE	NO.	FREQ.	NO.	FREQ.	
162		4.0		1.6			7		C						—		O.B.
172		2.3		0.4			2		D						—		O.B.
182		2.8		0.0			1		B						3		
185.5		3.3		0.5			6		B						2		
190		4.4		0			6		C						3		
198		6.5		0.4			6		B						2		
202		4.3		0			6		D						2		
206		4.0		0			6		D						2		
209		3.6		0			6		E						2		
215.5		6.6		0.9			7		E						5		
220		4.5		0			6		C						2		
222.5		3.3		0			6		C						1		
226		3.1		0			7		D						2		
230.5		4.9		0.9			7		D						3		
235.5		2.3		0.4			6		C						20		
240.5		2.8		0			5		C						10		
242		1.4		0			5		B						5		
248.5		4.0		0			7		C						3		
254		5.4		1.6			9		D						3		
259		5.8		0.8			7		D						3		
264		6.2		0			6		D						20		
269		3.5		0			6		C						20		
274		4.9		0			7		E						0		
279		5.2		0			6		F						10		
289		11.5		2.0			7		E						20		
293		4.1		0			6		E						15		
294		1.0		0			0		D						4		
299		5.5		4.0			6		E						5		

Fig. 1. Typical rock mechanics core log.

PROJECT _____ DRILLHOLE NO. 89-G-28 COORDINATES: N _____ DATE 30/09 19 89

LOCATION _____ HOLE SIZE _____ E _____ PAGE 2 of 2

LOGGER PL INCLINATION _____ ELEVATION _____

PITEAU & ASSOCIATES
GEOTECHNICAL CONSULTANTS
VANCOUVER CALGARY

GEOTECHNICAL CORE LOG

DEPTH (TO)	LENGTH OF RUN	CORE RECOVERY		RQD		HARDNESS	DEGREE OF BREAKAGE		DEGREE OF WEATHERING	ROCK TYPE	BEDDING DIP		BEDDING JOINTS		CROSS JOINTS		COMMENTS
		LENGTH	%	LENGTH	%		CATEGORY	NO.			DEPTH	ANGLE	NO.	FREQ.	NO.	FREQ.	
304		5.5		3.4			6		E							3	
309		2.7		1.0			5		D							5	
315.5		4.5		0			6		D							10	
320.5		4.6		0			6		D							10	
326		2.5		0			6		D							5	
331.5		1.8		0			2		D							5	
335.5		3.6		0			2		C							5	
339		2.5		0			6		D							3	
342		2.5		1.2			10		E							2	
347		5.2		2.0			11		E							4	
352		5.1		3.3			11		E							0	
357		4.7		3.6			12		E							1	
362		5.3		0			9		E							1	
367		5.5		1.2			9		E							4	

Fig. 1. Typical rock mechanics core log.

89-G-29

CURRAGH RESOURCES INC.

Page 1 of ____

DIAMOND DRILL CORE LOG

Date: _____

Hole Number: 89G-29

Reference Fabric Orientation Diagram:

Project: 1989 GRUMM FILL-IN

Location: _____

Claim: _____

Terr.Plane Co-ords.: 6,904,756.075 N 6,154.19 N

592,410.710 E 2,632.06 E

Grid Co-ords: 66W / 0+ N

Elevation: 1276.647

All symmetry determinations looking

Total Depth: 542 feet

_____ with _____ dipping

Inclination: -90° VERTICAL

_____ with dip azimuth _____.

Purpose: _____

Reason hole Terminated: Drilled through ore

Logged by: Peter Ledwidge

Date(s) Logged: OCT 1-3 /1989

Drilling Contractor: ARCTIC

Hole Cemented: No

Steel down Hole: No

Assay Lab: Northern Analytical

CORE Size	From	To	
NW	0	163	feet
NQ	163	542	feet

Collar Cased and Capped: No

Certificate No's: _____

Started: Aug 26/89 Completed: August 29/89

CURRAGH RESOURCES INC.
Diamond Drill Core Log

DDH 89G-29

Date: Logged By:

Code	Drillhole	Elevation	Northing	Easting	Units (feet/metres)	R.F.E.	
1	2 – 8	10 – 16	17 – 24	25 – 32	34 – 39	41 42	
T							

FEET

Code	Drillhole	Depth	Zenith Angle	True Azimuth	Comments
1	2 – 8	10 – 14	22 – 26	28 – 32	34 – 56
R		00	-90.0	0.0	AT COLLAR
R		2250	-88.0	260.0	SPERRY SUN
R		3750	-88.2	026.0	
R		5250	-87.0	026.0	SPERRY SUN
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R					
R					
R					
R					
R					
R					

Code	Drillhole	Comments, Errant Remarks, Snivellings and / or Lewd Suggestions
1	2 – 8	10 – 56
		BEDROCK AT 160 FEET

DDH 89-G-29

CURRAGH RESOURCES INC.

Lithologic Log

Date: Oct 1/89 Logged By: R Ledwidge

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 163 20	22 24	26 28	30 34	35
	100	?1616 5		011	T	Triconed OB - no return
	1163	49 7				
	?1616 5	1617 0		012	T	Grooved 10A/B boulders - white speckled intrusives.
		50 9				
	1617 0	1926		013	5B2614	$ minor ± 1
		58 7				
						Soft PS2 laminated carbonaceous, non calcareous weakly dolomitic, locally weakly siliceous, med. grey phyllite. S2 planes are shiny med. grey ± smudge fingers wkly. Laminations of light grey musc., dark grey carbonaceous bands, ± qtz/dol bands define PS2. Folding is prevalent and PS2 is shallow to parallel to CAx.
						TOL - 175 - Crushed powdery at least 3.5ft lost
						175 - 177.5 - v. broken - good recov.
						177 - 182 - Crushed + powdery - 3ft lost
						182 - 189 - v. broken - good recov.
						189 - 189.5 - Crushed - 0.5ft lost.
						189.5 - 192 v. broken good recov. - Upper contact sharp + // S2
	1926	2093		014	5A1614.1	± 1 ± $ minor
		638				
						Hard to soft (where weathered) blacks carbonaceous, non-calcareous, locally dolomitic, siliceous, strongly weathered phyllite - PS2 is defined by laminations of qtz./dol bands, black carbonaceous bands. S2 planes

DDH 89-6-29 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Oct 1/89 Logged By: PL

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						are greasy black & easily smudge fingers. Rock is v. strongly broken to crushed throughout interval. Interval is folded. PS2 changes frequently from steep to sub parallel to CAX. Lithons define S1 locally.
	209.7	214.5 (65.4)		015	S1A1G1A1	$ minor ± Py
						Same rock as unit 4 but have 2 areas (209.8-210.3; 214.0-214.5) where there is a 1 cm wide band of Sph/Gn sub-parallel to CAX. All other core characteristics are identical. Very broken to crushed - good recov. Pb+Zn est. at ≤1%
	214.5	218.5 (66.6)		016	S1A1G1A1	Same as unit 4. No sulphides. Very broken to crushed - Good recovery.
	218.5	227.3 (69.3)		017	S1A1G1A1	9 minor.
						Same black graphitic, mon calc., locally dol., siliceous phyllite as unit 4. This is more tightly folded into lithons. These contain qtz veinlets w Py. These define PS1. Total Py content is 1-2% of core. As we approach lower contact (at 226.0-E01) veining % increases & Py content of rock is 3-5% w tr Sph/Gn. This unit is strongly broken - Core recov. good lower contact is gradual & is marked by transition of sulphide rich rock to massive sulphide. Upper contact

DDH 89-6-27

CURRAGH RESOURCES INC.

Lithologic Log

Date: Oct 2/89 Logged By: PL

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						is marked by appearance of Py in qtz. veinlets. It is relatively sharp & occurs over 4 to 5 cm. Est. Pb/Zn content - trace
	2	1 0				
	227 3	231 0		108	4E1461	$ minor
		70 4				PS2 banded hard, high grade, barite bearing, wkly, dol., pyritic, Sph/Gn bearing massive sulphides. Predominant colour is brassy w minor maroon bands & siliceous barite bearing bands. These define PS2 which varies abruptly from v. steep to sub-parallel throughout interval. This indicates folding. Bands range in width from several mm's to several cm's. Upper contact is rel. sharp & occurs over 4-5 cm. Lower contact is sharp but is broken. Entire interval is strongly broken. Core recovery is good.
						Est- Pb + Zn 15 - 18 %
						→

DDH 89-G-39

CURRAGH RESOURCES INC.

Lithologic Log

Date: Oct. 2/89 Logged By: PL

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	2311 0	2314 9		1019	4E14	6 minor.
		71 6				
						Thinly to moderately thickly banded, very high grade, hard, pyritic, Sph/Gn bearing, locally weakly barrite bearing massive sulphides. PS2 is defined by brassy Py bands and maroon Sph/Gn rich bands. These bands vary from 0.5cm to 10cm ± are not well defined. All sulphides are v.f.g. but there are f.g. euhedral Py grains throughout which is not banded. 3-5% sub-angular to subrounded clear & milky qtz clasts floating within sulphides. Some are stretched & form veinlets // S2. PS2 is quite regular & at steep angle to CAX. Upper contact sharp but broken, lower contact sharp but broken.
						Core is mod. broken. Recovr good
						Est. Pb+Zn content 20-22%
	2314 9	2411 9		1610	4E14	$ minor, BXA
		73 7				
						Brecciated, pyritic, weakly dolomitic, Sph/Gn bearing, high grade massive sulphides. In situ brecciation is noted as some pieces can be fitted together. Core

DDH 89-G-29

CURRAGH RESOURCES INC.

Lithologic Log

Date: Oct 2/89 Logged By: PL

Code	From	To	Recov.	No.	Unit	Description
						consists of 60-70% brassy fg dominant brecciated material. The fractures are filled by dark brown/maroon Sph/Gn rich sulphides.
						TOI - 237.7 v. broken & crushed } Good recov.
						237 - EOI - wkly broken.
						lower contact gradual - Marked by weaker brecciation to no brecciation & appearance of higher %age of Sph/Gn. as well as appearance of barite.
						Est Zn+Pb 10-12%
2	14	19	26	20	1	1 4 1 4 1 1 $ minor, ± BXA
			79	9		
						Hard PS2 banded, non calc., wkly dol., barritic, siliceous pyritic, Sph/Gn bearing, locally brecciated massive sulphides. Sph/Gn rich band, Py rich bands, Ba + qtz bands define PS2. Bands vary from several mm's to several cm's. Locally rock is weakly brecciated similarly to unit 10. PS2 changes frequently from steep to parallel - suggests folding.
						Lower contact is marked by appearance of chlorite and/or fuchsite rich bands.
						Core is mod. broken at TOI - 253.8,
						253.8 - EOI - it is strongly broken
						Core recovery is good throughout.

DDH 89-6-21 (2 8)

CURRAGH RESOURCES INC.

Lithologic Log

Date: Oct 2/89 Logged By: PC

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	2612 0	2718 3		12	9EM4$1	± 6, ± 1, ± 9 (5D1 $4) 95/5 %
		84 8				
						Dominant - PS_2 banded, hard, pyritic, dolomitic, Sph/Gn bearing, non calcareous massive sulphides. Banding defines PS_2 & is composed of Py-rich bands, and Sph/Gn rich bands. Py-rich bands compose 60-70% of core. Bands range from mm to several cm's. and vary in orientation locally there qtz./barite bands. Core is pervassively dolomitic. Weakly fractured w qtz/dol. infilling. Tr. Cpy spots locally
						Lesser - PS_2 laminated apple green chlorite and/or fuchsite + musc. phyllite interlaminated w qtz/dol. laminations. May be an altered metabasite.
						Entire interval is mod. broken except at 264.7-266.1 where it is v. strongly broken. Core recov. is good. Lower contact sharp & // S_2. Est Pb+Zn 15-18%
	2718 3	2813 2		13	SIA	± 9, $ minor
		86 3				
						Mod. hard PS_2 laminated black non-calc., silicified graphitic phyllite. S_2 plane is black & shiny & easily smudges fingers. Black carbonaceous bands & silica/dol. bands define PS_2. Core is mod weathered

DDH 89-G-29 (2 8)

CURRAGH RESOURCES INC.

Lithologic Log

Date: 2/10/89 Logged By: PL

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						+ is mod hard to soft because of this. Interval highly broken into "pulver chips". Core recov. good Tr. - 1% Py within qtz/dol bands.
						CAX semi-steep at TOI + shallow near EOI
						Lower contact sharp but broken.
	1283 2	2933		114	4E41	BXA, $ minor ± 6
		89 4				
						Hand PS2 brecciated pyritic, Sph/Gn bearing, dolomitic, high grade massive sulphides. Is same as unit 10. but cannot see that pieces fit together. Sph/Gn rich sulphides fill cracks of Py rich brecciated matrix. Py rich sulphides 70%, Sph/Gn rich sulphides 30%. Core is porous. Weakly broken good recov. Barite/ qtz bands locally. Lower contact is sharp + is marked by good banding + increase in Ba.
						Est. Pb+Zn 15-18%
	2933	2970		115	4G41	$ minor
		90 5				
						Hand PS2 banded baritic, wkly dolomitic, Sph/Gn bearing, non calc., high grade massive sulphides. Mm to seven cm Sph/Gn rich, Py rich, + Ba/qtz bands define PS2. Minor ank/sid. found w qtz/Ba. Core weakly to mod. broken - Good recov. Very similar to unit 11.
						Est Pb+Zn - 18-20%

DDH 87-G-29 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: 2/10/89 Logged By: PL

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	2917 0	3015 9		116	4E4$1	±BXA (SD1$4) 75/25%
		93 2				
						Dominant - PS2 banded, locally brecciated, hard, pyritic, dolomitic, non-calcareous, Sph/Gn bearing high grade massive sulphides. Banding of Py ± Gn/Sph rich sulphides define PS2. Poorly banded ± is brecciated over 50% of core.
						Lesser - Same as lesser unit of unit 12. I apple green chlorite and/or fuchsite + musc phyllite w qtz dol. bands. Laminated // S2. locally is v. weathered & almost a powdery fault gouge.
						Entire unit is similar to unit 12. Is wkly to mod. broken & has good core recov. Lower contact is 10 cm qtz/dol vein w 3-5% Sph/Gn.
						Est Sph/Pb 18-20%
						Note: Above units depict repetition of units 10, 12, & 12 & suggests folding & minor
	3015 9	3222 9		117	5B1612	PS2 laminated light to dark grey w black lam., wkly dol., carbonaceous, non calcareous phyllite.
		98 4				Black carbonaceous, white qtz rich & beige musc.-rich bands defin PS2 which varies from semi-steep to sub-parallel to CAX. S2 planes are shiny

DDH 89-G-29 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: 2/10/89 Logged By: PL

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						silvery grey & easily smudge fingers. Between 317.0 - 318.8 have several 1-5 cm qtz veins // Sz. Rock is strongly broken, often in "poker chips". Lower contact sharp & // Sz
	3212 9	3315 5		118	41401	$ minor, "stringer" (4 ∈ 4 $ minor) 75/25 %
		102 3				
						Dominant - PSz laminated soft very light grey, "talcose" musc. rich wkly dolomitic altered phyllite Sz plane is white to light beige & shiny & soft. Musc, qtz, & Py stringer bands define PSz. Local slightly sheared areas are very soft.
						Lesser - Hard, pyritic, Sph/Gn rich, weakly dol., high grade massive sulphide. Gn is predominant over Sph & gives rock a grey colour. Sub-angular to sub-rounded qtz/dol clasts float within sulphides. Sharp broken lower contact.
						TOI - 331.4 strongly broken - good recov.
						331.4 - EOI v. strongly broken. Good recov.
						this & next unit:
						2 sheared zones (in dom. unit) at 330.3 - 331.1 + 334.0 - 334.5)
						Est Ph+Gn - 4-5%

DDH 89-6-29

CURRAGH RESOURCES INC.

Lithologic Log

Date: 2/10/89 Logged By: PC

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	336.5	351.41 107 9		119	51A161	$ minor (4E4 $ minor) 80/20 %
						Dominant- PS2 laminated mod hard to mod soft, non calc. wkly dol., carbonaceous black w white bands, phyllite. S2 plane is black + smudges fingers w ease. PS2 defined by carbonaceous + qtz dol. laminations.
						Lesser - Same as lesser unit in unit 16. Is hard pyritic wkly dol. high grade, Cn/Sph bearing massive sulphides. Is upper contact of entire unit (335.5 - 336.5). At this location is rubble.
						TO1 - 350.5 - V. broken + locally is rubble
						341 - 345 - 1.5 ft lost ; 345 - 350 - 0.5 ft lost
						350.5 - E01 - V. broken - no rubble - good recov.
						Est. Pb+Zn - 3-5%
	351.41	363.5 110 8		120	51B102	$ minor
						V. Soft PS2 lamination, muscovite rich, , mod. carbonaceous med to dark grey phyllite. Musc. - rich, carbonaceous rich + qtz dol rich bands define PS2. Mod. fractured w qtz infilling fractures. S2 plane is med grey + shiny + smudges finger w light grey powder. Upper + lower contacts gradual. Mod. broken - good recov.

DDH 89-G-29 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: 2/10/89 Logged By: PC

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	136135	141130		121	5A161	1 minor (5B6, 2 minor) 60/40 %
		125 9				
						Dominant- Med. hard to mod. soft PS2 laminated blacks, non-calcareous, carbonaceous weakly dol. phyllite. S2 planes are black & stain fingers black. PS2 is defined by black graphitic laminations & qtz laminations. Lithons define PS1 locally.
						Lesser- Med. grey soft PS2 laminated musc. rich, weakly dolomitic, weakly carbonaceous phyllite PS2 plane is med grey silver & shiny smudges fingers grey.
						Entire interval is v. strongly broken. Fault gouges at 397.7 - 399.9; 411.3 - 412.8. Upper & lower contacts gradual
	141130	141310	2	122	5B161	2 minor, 1 minor
		131 1				
						Soft PS2 laminated musc. rich, non calc., wkly dol. wkly carbonaceous, med to dark grey phyllite. S2 planes are med to dark grey & smudge fingers w/ a light grey powder. PS2 is defined by light grey musc > qtz rich bands & dark grey carbonaceous bands. Core is mod. to strongly weathered. Have fault gouge at 428.8 - 501 & as a result at 427.5 - 428.8 the rock is light grey & v. strongly sericitized. At 423.0 - 423.4 S2 is parallel to CA & rock is v. sheared.

DDH 89-6-24

CURRAGH RESOURCES INC.

Lithologic Log

Date: 3/10/89 Logged By: PL

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						PS2 is v. shallow at 425.0 - 426.1 & rock is sheared & friable. Upper contact is gradual, lower contact is sharp but gouged. Core is very broken. Recov. good.
	41310 2	41315 5		23	1E14	(4L0) 60/40 %
		132 7				
						Dominant - Massive non-banded pyritic, Sph/Gn bearing non-calc. massive sulphides. Has 5% sub-angular to sub rounded qtz/dol clast floating within. Rock is quite weathered & mod. fractured. Contacts w lesser unit are sharp.
						Lesser - Highly weathered, v. musc. rich, non calc., v. soft, light grey w khaki bands, phyllite. PS2 defined by light grey & khaki musc. rich bands. Foliation changes frequently from shallow to parallel to CAX - S folds w an amplitude of several cm's are noted. Rock is very weathered & v. very friable.
						Entire interval is mod to strongly broken - Good recov. Est Pb+Zn - 5-10%
						Upper & lower contacts sharp but gouged.

DDH 89-6-29 (2 — 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: 3/10/89 Logged By: PC

Code	From	To	Recov.	No.	Unit	Description
1	10 — 14	16 — 20	22 — 24	26 — 28	30 — 34	35
	1413.5 S	1416.2 3		12.4	5B6014	2 minor (5A6) 95/5 %
		140 9				
						Dominant - V. soft PSz laminated, non calcareous, musc. rich weakly carbonaceous light to med grey phyllite. Sz surface is shiny silvery med grey - PSz defined by light grey musc. rich bands, qtz bands & dark grey wkly carbonaceous bands. CAX is shallow to very shallow.
						Lesser - Black carbonaceous, non calc phyllite. Sz planes black & smudge fingers black. Rock is more strongly broken than dom. unit. At 442.1 - 444.5 is gouged.
						Entire int. is strongly broken. 0.7 ft lost between 453-458; 0.5 ft lost between 458-462. Otherwise recov. good. Core is gouged at 457 - EOI. Upper contact sharp & // Sz Lower contact sharp but gouged.
						Qtz-calc. veins 481 - EOI within gouge.
	1416.2 3	1418.0 3		25	4D4911	± 5 (4E4) 95/5 %
		146 4				
						Dominant - High grade PSz well banded pyritic, Sph/Gn bearing, siliceous, Cpy bearing, non calc. quartzite. Sulphide

DDH 89-6-29 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: 03/10/89 Logged By: PL

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						content ~ 60-70%. Py rich bands + Sph/Gn rich bands + qtz. bands define FS2 which remains constant + shallow. 1% Cpy blebs are on the core. These are not parallel to S2 ∴ they must be post D2. At 474.3-477.4 there are 2-3% black carbonaceous bands // S2
						Occasional qtz./dol/calc/sid. sub-ang. to sub-rounded clasts within fractures. These reach upto 3-4 cm
						Lesser - Very high grade Sph/Gn rich, pyritic, poorly banded, non calc. massive sulphide. Py rich + Sph-Gn bands define FS2. This sub-unit is at 466.0-467.7.
						Entire int. is mod to strongly broken - wkly to mod fractured. 463.0-465 lost 1.0 ft. Rubble from 465.0 - 466.0. Rest of recov. is good.
						Upper contact sharp but gouged (previous unit). Lower contact sharp - marked by beginning of brecciation.
						Est Pb+Zn - 10-15%
	1480 3	1494 0		216	41D1411	± BXA, ± 5 minor (4LO) 99-111%
		150 6				
						Dominant - Hard, siliceous brecciated or banded pyritic, Sph/Gn bearing, non calcareous quartzite. Rock is brecciated over 60% of core + banded elsewhere!

DDH 89-629 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: 3/10/89 Logged By: PL

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Breccia consists of angular to rounded qtz rich fragments in a siliceous matrix w some angular qtz fragments when banded silicon rich bands + sulphide rich bands define PS2. Rock is mod. fractured + these are filled by qtz/dol. Locally has minor carbonaceous bands.
						Lesser - PS2 foliated strongly weathered while w greenish tinge, strongly muscovitic, wkly chloritic phyllite. Whit. w green tinge on S2 planes.
						Gouged over entire sub-interval - 495.9 - 496.4
						Entire interval is strongly broken. Rubbly at 481.4 - 483.7; 484.5 - 486.2; 487.2 - 488.0
						Good core recov. lower contact sharp but broken
						Est. Pb+Zn - 10-15%
491.40	522.0 (1591)			217	5B1216	$ minor (SA609) 97/3"
						Dom - Soft PS2 laminated musc. rich, carbonaceous med. grey, non calcareous, wkly dolomitic phyllite.
						PS2 is defined by compositional banding of carbonaceous bands + musc. rich bands + qtz rich bands. CAx is very shallow to parallel. Rock is strongly weathered except at 509.0 - 512.5. S2 plane is med. to dark grey + shiny. smudges finger med. grey.
						3.0 ft. lost between 495 - 502'

DDH 89-6-29

CURRAGH RESOURCES INC.
Lithologic Log

Page 18

Date: 3/10/89 Logged By: PL

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Lesser - Mod. hard, black, weakly pyritic, non calc., carbonaceous phyllite. PS2 laminated. Dull black. S2 surface greasy black & smudges fingers dark grey. Tr. py in qtz. rich bands // S2
						Entire interval is strongly broken & very friable & composed of chips except at 509.0 - 512.5 where it is not friable. Bottom contact marked by appearance of qtz veins.
	5122 0	5142 0		28	5B6102	
		165 2				
						PS2 foliated, soft, light grey musc. rich, weakly carbonaceous, non calcareous phyllite. Musc. rich light grey bands & weakly carbonaceous med. grey bands define PS2. S2 plane is shiny silver grey. CAX ranges from steep to parallel & folds can be noted. 10% qtz /dol/ ankr/sid veins up to 20 cm long w 2-3% py are noted // S2 (longer veins are // S2 // CAX) Upper contact is noted by appearance of veins & slightly lighter core. Core is very broken & weathered & is in "poker chips" or blades throughout. Good recovery.
						542 EOH

DDH 87-6-29 (2 / 8)

CURRAGH RESOURCES INC.
Structural Log

Date: 05/10/87 Logged By: P. Eldridge

Code	From	To	Feature	Sym	S_0 Dip Direct.	S_1 Dip Direct.	S_2 Dip Direct	Description
	1 10 14	16 20	22 24	26	28 32	34 38	40 44	
	1187 0		PS2				42	PS2 compositional laminations
	1211 0		PS2				40	"
	1220 0		PS2				59	"
	1414 S		PS2				20	"
	1614 0		PS2				75	"
	1811 0		PS2				27	"
	1900 S		PS2				35	"
	1912 S		PS2				75	"
	1914 S		PS2				55	"
	1960 S		PS2				70	"
	1117 0		PS2				710	"
	1187 0		CS2			110 0010	910	PS2 - Comp. laminations CS1 - Lithons - 5 folds
	1410 S		CS2			515 1010	80	"
	1414 S		PS2				62	PS2 - comp. lamination
	1512 0		PS2				413	"
	1711 0		PS2				35	"
	1910 0		PS2				415	"
	1112		PS2				110	"
	1217		PS2				110	"
	1410		PS2				410	"

DDH 896-29 (2 8) CURRAGH RESOURCES INC. Page 1 of 2

Logged by P. Lodridge

ASSAY LOG (SAMPLER'S COPY) Date Oct. 2/89 Sampled by

CODE	FROM	TO	SAMPLE	INTR.	REC (m)	UNIT	DESCRIPTION
	10	16	22 — 26	28 — 30	32 — 34	36 WASTE — 40	42
	209.7	214.3	373814	48	1.5 4.8	5A6411	$ minor, ±9
	165.3	168.9				WASTE	
	226.0	227.3	373815	13	0.4 1.2	5A6411	9 minor
	2273	231.0	373816	37	1.1 3.7	4E4611	
	2310	234.9	373817	39	1.2 3.9	4E411	6 minor
	2349	238.9	373818	40	1.2 4.0	4E411	$ minor Bxa
	2389	241.9	373819	30	0.9 3.0	4E411	"
	2419	246.7	373910	50	1.5 4.9	4G411	$ minor ± BXA
	2469	251.9	373911	50	1.5 5.0	4G411	"
	2519	255.9	373912	50	1.5 5.0	4G411	"
	2569	260.2	373913	51	1.5 5.0	4G411	"
	2602	266.0	373914	50	1.5 5.0	4E4$	±6, ±1 (5D1$) 95/5%
	2670	271.0	373915	40	1.2 3.8	4E4$	"
	2710	275.0	373916	40	1.2 4.0	4E4$	"
	2750	278.3	373917	33	1.0 3.3	4E4$	"
	804.8	806.3				WASTE	
	2863.2	2868.2	373918	50	1.5 5.0	4E4	BXA $minor, ±6
	2882	2893.3	373919	51	1.6 5.1	4E4	"
	2933	2970.0	374010	37	1.1 3.7	4G411	$ minor
	2970	3016.0	374011	40	1.2 4.0	4E4$	±BXA (5D1$4) 75/25%
	3010	3059.2	374012	49	1.5 4.9	4E4$	"
	932	984				WASTE	
98.4	3229	99.9 3279	374103	50	1.5 5.0	4L0	$ minor, "stringer" (4E4$minor) 75/25%
	3279	101.2 3320	374104	41	1.2 4.1	4L0	"
	3320	102.3 3355	374105	35	1.0 3.4	4L0	"
	3355	103.5 3405	374106	50	1.3 4.3	5A6	$ minor (4E4$minor) 80/20%
	3405	105.3 3455	374107	50	1.3 3.7	5A6	"
	3455	106.8 3505	374108	50	1.1 3.5	5A6	"
	3505	107.9 3541	374109	36	1.1 3.6	5A6	"
	1079	1311				WASTE	
131.1	4302	132.7 4355	374110	53	1.6 5.3	4E4	(4LO) 60/40%
	1327	1410.9				WASTE	
142.9	4623	144.0 4660	374111	37	1.1 3.7	4D4911	
142.0	4660	142.7 4677	374112	17	0.5 1.6	4E4	
	4677	143.5 4707	374113	30	0.9 3.0	4D4911	
	4707	144.8 4743	374114	36	1.1 3.6	4D4911	

DDH 89-9-29 CURRAGH RESOURCES INC. Page 2 of 2

ASSAY LOG (SAMPLER'S COPY) Date Oct 3/87 Logged by DL Sampled by

CODE	FROM	TO	SAMPLE	INTR.	REC (m)	UNIT	DESCRIPTION
1	10 14	16 20	22 26	28 30	32 34	36 40	42
	147.4	147.5 147.7	374115	31	0.9 29	4D4191	5 minor
	147.7	146.4 148.0	374116	29	0.9 29	4D4491	
	148.0	147.9 148.5	374117	50	1.5 50	4D441	± BxA ± 5 minor (4<0) 99/1%
	148.5	149.4 149.0	374118	50	1.5 50	"	"
	149.0	150.0 149.4	374119	37	1.1 37	"	"
	150.6	165.2	—	—	—	WASTE	

C.R.I. 1987 E-5

PROJECT _____ DRILLHOLE NO. 84-F-24 COORDINATES: N _____ DATE 03/10 1984

LOCATION _____ HOLE SIZE _____ E _____ PAGE 1 of 3

LOGGER PL INCLINATION _____ ELEVATION _____

PITEAU & ASSOCIATES
GEOTECHNICAL CONSULTANTS
VANCOUVER CALGARY

GEOTECHNICAL CORE LOG

DEPTH (TO)	LENGTH OF RUN	CORE RECOVERY		RQD		HARDNESS	DEGREE OF BREAKAGE		DEGREE OF WEATHERING	ROCK TYPE	BEDDING DIP		BEDDING JOINTS		CROSS JOINTS		COMMENTS
		LENGTH	%	LENGTH	%		CATEGORY	NO.			DEPTH	ANGLE	NO.	FREQ.	NO.	FREQ.	
169		2.4		0			2		C						15		
172		1.1		0			2		C						10		
177		3.5		0.4			6		C						15		
182		2.1		0			3		C						10		
185		3.8		0			6		C						10		
187		3.2		0			6		D						3		
189		2.1		0.9			10		E						3		
189.5		0.8		0			2		C						10		
192		1.9		0			6		C						5		
196		1.7		0			2		B						10		
200		3.7		0			2		B						15		
204		3.2		0			2		B						15		
209		4.9		0			3		C						15		
212		3.1		0			2		B						15		
217		5.3		0			6		B						20		
221		3.8		0.5			6		C						7		
226		6.7		0.6			6		C						10		
231		5.5		1.1			10		D						12		
236		6.1		1.7			10		E						16		
241.5		6.1		2.5			10		E						14		
246.5		5.5		2.2			10		F						15		
252		6.1		2.8			11		F						10		
257		6.2		0.8			9		E						20		
262		5.7		1.0			9		E						10		
267		5.8		0.4			9		E						14		
272		4.6		3.8			12		E						3		
277		5.0		2.6			10		F						7		
282		5.0		0.5			6		F						4		

Fig. 1. Typical rock mechanics core log.

PROJECT _____ DRILLHOLE NO. 89-G-29 COORDINATES: N _____ DATE 03/10 1989

LOCATION _____ HOLE SIZE _____ E _____ PAGE 2 of 3

LOGGER PL INCLINATION _____ ELEVATION _____

PITEAU & ASSOCIATES
GEOTECHNICAL CONSULTANTS
VANCOUVER CALGARY

GEOTECHNICAL CORE LOG

DEPTH (TO)	LENGTH OF RUN	CORE RECOVERY		RQD		HARDNESS	DEGREE OF BREAKAGE		DEGREE OF WEATHERING	ROCK TYPE	BEDDING DIP		BEDDING JOINTS		CROSS JOINTS		COMMENTS
		LENGTH	%	LENGTH	%		CATEGORY	NO.			DEPTH	ANGLE	NO.	FREQ.	NO.	FREQ.	
287		6.2		1.7			8		F							7	
292		5.0		2.7			10		F							7	
297		5.5		1.6			9		F							9	
302		4.8		3.2			10		E							6	
307		5.3		1.1			10		E							10	
312		5.0		0			6		D							1	
317		5.5		0			6		D							0	
322		4.8		0			6		D							0	
327		6.2		0			6		E							1	
332		5.1		2.2			10		E							7	
335.5		3.2		0			6		C							2	
341		4.7		0.8			6		D							2	
345		2.7		0			3		C							2	
350		3.5		0			6		D							5	
355.5		5.4		0.5			6		E							2	
360		5.9		0.9			9		F							4	
365.5		6.2		0			6		D							1	
371		5.3		0			2		C							20	
376.5		5.5		0			6		D							3	
381		2.2		0			6		C							1	
386		4.5		0			3		C							3	
391		5.3		0			3		C							30	
399		7.0		0			2		B							30	
404		4.5		0			2		B							30	
409		5.3		0			6		C							10	
414		4.7		0			2		B							15	
419		5.5		0			7		E							2	
424		4.3		0			6		D							4	

Fig. 1. Typical rock mechanics core log.

PROJECT _____ DRILLHOLE NO. 89-6-29 COORDINATES: N _____ DATE Oct 3 1989

LOCATION _____ HOLE SIZE _____ E _____ PAGE __ of __

LOGGER RL INCLINATION _____ ELEVATION _____

PITEAU & ASSOCIATES
GEOTECHNICAL CONSULTANTS
VANCOUVER CALGARY

GEOTECHNICAL CORE LOG

DEPTH (TO)	LENGTH OF RUN	CORE RECOVERY		RQD		HARDNESS	DEGREE OF BREAKAGE		DEGREE OF WEATHERING	ROCK TYPE	BEDDING DIP		BEDDING JOINTS		CROSS JOINTS		COMMENTS
		LENGTH	%	LENGTH	%		CATEGORY	NO.			DEPTH	ANGLE	NO.	FREQ.	NO.	FREQ.	
429		5.7		0			7		D						3		
434		5.1		0			2		B						5		
439		5.7		0			6		C						4		
444.5		4.5		0.5			3		C						10		
449		4.5		1.0			6		C						1		
453		3.6		0			6		D						0		
458		4.0		0			2		C						1		
462		3.5		0			2		B						5		
465		3.8		2.4			10		F						8		
470		6.5		1.8			6		F						20		
475		5.9		0.9			9		F						7		
480		6.2		0			6		F						20		
484.5		5.9		0			4		F						30		
490		6.8		0			4		F						30		
495		5.0		1.1			3		F						15		
500		2.4		0			1		B						5		
502		1.6		0			1		B						2		
507		4.7		0			1		B						7		
512		5.8		0			1		B						3		
517		5.2		0			1		B						7		
522		5.0		0			1		B						4		
527		5.3		0			2		B						15		
532		5.7		0			2		B						10		
537		5.5		0			2		B						5		
542		5.9		0			2		B						5		

Fig. 1. Typical rock mechanics core log.

89-G-30

CURRAGH RESOURCES INC.

Page 1 of ____

DIAMOND DRILL CORE LOG

Date: _____

Hole Number: 89G-30

Reference Fabric Orientation Diagram:

Project: 1989 Grum Fill-in

Location: _____

Claim: _____

Terr.Plane Co-ords.: 6,904,360.056 N 5,789.94 N

592,542.950 E 2,427.58 E

Grid Co-ords: 54W / 6+005

Elevation: 1245.995

All symmetry determinations looking

Total Depth: 400 feet

____ with ____ dipping

Inclination: -90° vertical

____ with dip azimuth ____.

Purpose: Test Champ zone

Reason hole Terminated: Drilled into Deal Lake Fault

Logged by: _____

Date(s) Logged: _____

Drilling Contractor: Arctic

Size	CORE From	To	
NW	0	72	feet
NQ	72	400	feet

Hole Cemented: No

Steel down Hole: No

Collar Cased and Capped: No

Assay Lab: _____

Certificate No's: _____

Started: Aug 29/89 Completed: Aug 31/89

_____

CURRAGH RESOURCES INC.

Diamond Drill Core Log

Date: _____ Logged By: _____

DDH 87G-30
2 8

Code	Drillhole	Elevation	Northing	Easting	Units (feet/metres)	R.F.E.	
	2 8	10 16	17 24	25 32	34 39	41 42	
T							

FEET

Code	Drillhole	Depth	Zenith Angle	True Azimuth	Comments
	2 8	10 14	22 26	28 32	34 56
R	87G-30	100	-91.0	101.0	AT COLLAR
R		1135.0	-88.0	015.0	
R		1235.0	-84.5	012.0	
R		1385.0	-81.0	012.0	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	

Code	Drillhole	Comments, Errant Remarks, Snivellings and / or Lewd Suggestions
	2 8	10 56

DDH 89-G-30 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Oct/4/89 Logged By: L Ludwidge

Code	From	To	Recov.	No.	Unit	Description
1	10–14	16–20	22–24	26–28	30–34	35
	10	? 711 S 21 9		001		Triconed O.B. No return
	? 711 S	725 S 221		002	1101A1B	Mixed O.B. ground boulders - Mostly Anvil batholith felsic intrusives
	725 S	1013 S 315		003	S1A1G1	¶ minor, ₤ minor
						PS2 foliated, hard, siliceous, carbonaceous, non-calcareous, wkly dolomitic phyllite. PS2 is defined by black carbonaceous + lighter qtz rich w̄ dol. laminations. PS2 is constant although locally some lithons are observed. S2 surface
						TOI - 78.5 Strongly broken - good recov.; 78.5 - 80 rubble good recov.; 80 - 85.0. Rubble - missing 2ft; 85.0 - 98. No recovery; 94.0 - EOI - mod to strongly broken. Missing 1ft between 98.0 - 102.0. Lower contact sharp. Marked by appearance of gouge fault zone.
						Core has E.g. euhedral as well as irregular anhedral blebs of Py associated w̄ qtz/dol bands.
						Area between 85.0 - 98 must be fault.
	1013 S	1214 8 371		004	S1A1G1	‡BYA - Fault Gouge
						V. soft compacted mud w̄ local relict structures apparent. Locally laminations are observed + locally can see evidence of in-situ brecciation (pieces fit together).

DDH 89-G-30 (2 8)

CURRAGH RESOURCES INC.

Lithologic Log

Date: 04/10/89 Logged By: P.L

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Core is black, + very friable.
						TO1 - 108.5 ± 1.5ft lost; 108.5 - 112.5 - 3.5 ft lost.;
						112.5 - 113.5 - good recov. - 113.5 - 118 - 4ft missing
						118 - 120.5 - 1.5ft missing; 120.5 - E01 - Core strongly
						broken - mod to strongly weathered - poor recov. All except
						120.5 - E01 are rubble or compacted mud.
						lower contact sharp // S2 but compact mud.
1	121 8	130 5		1015	4L01	(5A61 $minor, 9minor)(4E4±BXA) 50/40/10 %
		39 8				
						1st sub-unit Fault gouged, muddy, musc. rich, chloritic,
						light grey w khaki tinge, non calcareous phyllite
						Although core is compacted mud some relict foliation is
						noted. lower contact, although gouged is sharp + parallel
						to S2 Rock is
						interallated w other units on a scale of
						several cm's to several dm's.
						2nd sub-unit - PS2 laminated black hard, non calcareous,
						weakly dol., wkly silic, carbonaceous, Py bearing phyllite.
						Is similar to unit 3 - S2 planes are dark
						grey + smudge fingers dark grey. PS2 defined by
						black carbonaceous laminations + white qtz laminations w

DDH 89-G-30 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: 04/10/89 Logged By: PL

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						f.g. euhedral Py xals // Sz. This subunit is fault gouged over 50% of interval. It is closely interallated w the other 2 sub-units. Local lithons.
						3rd sub-unit - Massive to brecciated pyritic, Sph/Gn bearing, hard, locally brecciated, non calc. massive sulphides.
						Core has local sub-angular to subrounded mm to several cm size qtz/dol clasts. Local brecciation where brassy sub-angular to angular Py clasts float in a duller brassy Py + base metal rich matrix.
						Entire interval is strongly broken + wkly to mod. fractured. Gouge zones at TOI - 126.8
						Good recov. every where. except at 121.5-126.5 where 1.5 ft is lost; Est- Pb+Zn 1-2%
1	130.5	133.4 40	2 9	016	41A14019	$ minor (4L0) [4E49] 90/10 %
						Dominant- Hard PS2 banded pyritic, Sph/Gn bearing non calcareous, weakly dolomitic massive sulphides. PS2 defined by Py rich + Sph/Gn rich bands // Sz. 5% qtz/dol bands // Sz. Minor Cpy locally. Lesser - Lense of same gouged muddy musc. rich light grey phyllite as in sub-unit 1, unit 05. Core is highly broken throughout + is gouged at 133.4-133.9. Good recov. Upper + lower contacts sharp + // Sz Est Pb+Zn 12-14%

DDH 87-G-30 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: 04/10/89 Logged By: R.L.

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	1342	1516 47	4/7	1017	51A6191	Minor "stringer", (4L04 "stringer")(5B609 "stringer") 50/25/25 %
						Dominant- Hard to mod soft carbonaceous, pyritic, sph/Gn bearing, locally siliceous, non calcareous phyllite. PS2 defined by black carbonaceous bands & qtz, sulphide rich laminations to 2cm bands. Sulphides are predominantly Py w minor sph/Gn stringers. S2 surface dark grey & smudges fingers dark grey. This sub-unit is intercallated w other 2 sub-units on a scale of dm's. local lithons
						2nd sub-unit- PS2 laminated v. soft, light khaki w green tinge, muscovite rich, wkly chloritic, sph/Gn & Py bearing, non calcareous phyllite. S2 is defined by laminations of chlorite rich & muse rich bands as well as stringers of qtz/Py, sph/Gn. This sub-unit is finely interlaminated w sub-unit 3 on a mm to cm scale. S2 plane is white/beige and "talcy".
						3rd sub-unit - PS2 laminated v. soft med grey, muse. rich sph/Gn/Py stringer bearing, non calc. phyllite. S2 is defined by lighter & med. grey laminations as well as stringer qtz/sulphide & also by interlamination of sub-unit 3 S2 plane is light tomed grey & smudges fingers light grey.

DDH 89-G-30 (2 8)

CURRAGH RESOURCES INC.

Lithologic Log

Date: 04/10/89 Logged By: PL

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Entire interval is v. strongly broken & is fault gouged at: 137.5 - 138.5 ; 145.5 - 146.5 ; 151.8 - 155.8. Core recov. good except at: 151.5 - 157.0 - 2Pt lost Upper contact sharp & // Sz lower contact sharp but broken Est Pb + Zn - tr - 1%
	1151 6 4	1163 0		1018	4IE4109	$ minor (5A69 "stringer") 90/10 %
		497				
						Dominant - Hard, PSz banded, pyritic, Sph/Gn bearing non-calcareous, weakly dolomitic massive sulphides. PSz is defined by Py rich & Sph/Gn rich bands. There are also tr. qtz & carbonaceous lamination & bands // Sz There are tr Cpy blebs.
						Lesser - Same PSz laminated, pyritic, Sph/Gn stringer qtz banded, carbonaceous, non calcareous black phyllite as previous unit. Core is semi-gouge.
						Entire interval is mod. broken except at 167.5 - 168.4 where phyllite is mod. gouged. Core recov. good. Upper contact sharp but broken - Lower contact marked by sharp increase of qtz bands.
	1163 0	1185 7		1019	4A4109	$ minor (4L0) 95/5 %
		56 6				
						Dominant - Hard PSz banded, pyritic, Sph/Gn bearing, non calc., wkly dol. massive sulphides.

DDH 89-G-30 (2 8)

CURRAGH RESOURCES INC.

Lithologic Log

Date: Oct 4/89 Logged By: PL

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						PS2 defined by Py rich, Sph/Gn rich + 5-10% qtz bands. There are ≤ 4 cm dol. blebs over printed on the core near qtz bands. Dol. is not banded // Sz i.e. is post D2 Minor Cpy blebs locally.
						Lesser - Small lenses ≤ 10 cm of muscovite rich, sulphidic chloritic, khaki, soft non calcareous phyllite. Is exactly the same rock as unit 7, sub-unit 1. Is also locally fault gouged.
						Upper contact is sharp + // Sz - Lower contact is sharp + // Sz.
						Mod. broken over entire interval. Good recovery
						Mod. fractured. Gouge at: 164.5-165; 166.0-166.3
						Est Pb+Zn 12-14 %
	1181 5 7	1181 8 9		10	SA 1169	
		57 6				
						Hard, siliceous carbonaceous non calcareous strongly broken Py bearing black phyllite. Core is highly broken to rubble - where visible can see lithons of Py rich bands which define PS1. 5% Py - Py is in. xenoblast' i.e. 'xals.' Possibly tr. v.f.g. Sph/Gn Core recov. good. Upper & lower contacts sharp but broken.
	1181 8 9	1199 3		11	4E 41	(4L09) 80/20 %
		60 7				
						Dominant - PS2 banded pyritic, Sph/Gn bearing, hard, non calcareous massive sulphides. PS2 is defined

DDH 89-G-30

CURRAGH RESOURCES INC.

Lithologic Log

Date: Oct 4/89 Logged By: P.L

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						by py rich & Sph Gn rich bands. These bands may be mm laminations or several cm's. CAX is steep & doesn't vary much throughout interval.
						Lesser Muscovite rich, wkly chloritic, v. soft well banded, locally gouged, non calcareous phyllite. Is same muscovitic phyllite as has been encountered thus far. Has local qtz bands // Sz - These bands contain v.f.g. Py & possible v.f.g. Sph./Gn.
						Entire interval is strongly broken & strongly fractured. w/ local gouge zones (≤ 15 cm)
						TO1 - 192 - Good recov.; 192 - lost 0.5 ft.
						195 - E01 - good recov.
						Est - Pb+Zn - 10-12%
	191.93	211.30 649		12	51A109	(4L05) (4E4 $ minor) 85/10/5%
						Dominant - PSz laminated soft, carbonaceous dark grey to black, weakly calcareous (locally) pyritic, phyllite - PSz is defined by black & dark grey & qtz/Py lamination. Sz surface is med- to dark grey & smudges fingers med. grey. Interlaminated w/ lesser unit on mm to dm scale. CAx is steep & constant.
						Sub-unit 2 - V. soft, light grey to khaki PSz laminated

DDH 89-6-30 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: 5/10/89 Logged By: PL.

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						musc. rich weakly calcareous phyllite. S_2 is defined by light grey & beige laminations as well as interlamination w dominant unit.
						Sub-unit-3- At 203-205 there is only 0.5 ft recovered. The rubbly core is the same, pyritic, hard Sph/Gn bearing weakly dolomitic massive sulphide as unit 8 dominant.
						TOI - 206 - v. strongly broken 202-203 - 0.8 ft lost; 203-205 - 2.5 ft lost.
						206 - EOI - strongly broken - good recov.
						Entire int. is v. wkly fractured.
						Upper contact sharp but broken - lower contact marked by disappearance of sub unit 2.
	2130	2268 691		V3	518612	±9 minor
						PS2 foliated, v. soft, non calcareous, musc. rich, chloritic, dark grey w v. slight green tinge, carbonaceous phyllite. PS2 defined by dark grey & light grey laminations. S_2 surface is light to mod. silver grey & smudges fingers light grey. Tr. Py blebs // S_2
						lower contact gradational.
						TOI - 219 - strongly broken - ; 219 - 220 "pitter chips"; 220 - EOI
						v. strongly broken - core recovery good.

DDH 89-G-30

CURRAGH RESOURCES INC.

Lithologic Log

Date: 5/10/89 Logged By: PL

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	1216 8	1729	.1	114	SIB16219	9 minor (SA69 $ minor) 50/50 %
		832				
						Both units are so closely interlaminated that they form 1 mixed unit. PS2 laminated black & med grey soft, strongly to weakly carbonaceous, non-calc., musc. rich phyllite. PS2 is defined by light & dark grey laminations or bands & qtz/dol bands w local Py (1-2%) S2 planes are light grey silver to dark grey silver. CAX is steep & relatively constant. Qtz dol. bands mm size to several cm's. Locally have increase in bands (up to 5%). Overall qtz/dol band 2-3%.
						TO1 - 242 - Strongly broken; 242-266.5 - V. strongly broken Gouge at 254.0 - 254.5; 261.5-266.5 - gouged & 2.5 ft. lost.; 266.5-EOH, mode broken except 268.5-269 where is gouged. Bitum content noted by appearance of gouged qtz. vein zone.
	1729	1912		115	SIB16219	Gouged & quartz flooded
		893				
						PS2 laminated (where not gouged) light to med grey gouged (60-70%) v. soft, non calcareous, weakly carbonaceous, musc. rich phyllite. Where not gouged PS2 is defined by med & dark grey bands & laminations & qtz bands. S2 planes light silvery grey.
						TO1 - 281.5 - 70-80% qtz/anhy/sid. qtz flooding w 2-3 cm

DDH 89-G-30 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: 5/10/89 Logged By: PL

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						angular PodPy clasts. Where there is no qtz. vein rock is almost completely gouged. Qtz/carb is also gouged & highly weathered locally. 281.5-EOT 3-5% qtz/carb/sid veins - Rock is v. strongly broken & gouged over small 3-5 cm intervals. 276.5-281- 1.5 ft lost.
						Lower contact sharp & // S2.
	129 129	321 8 (981)		116	51A1G1011	±9 (4L0) (5B62 75/15/10%
						Sub-unit 1 - PS2 laminated black mod hard, mod. siliceous, carbonaceous, non calcareous Py bearing phillite PS2 is defined by black bands & qtz bands w minor Py. S2 surface is dark grey & smudges fingers dark grey. Lithons noted locally
						Sub-unit 2 - light khaki & v. light green, musc. rich, wkly chloritic, weakly calcareous v. soft phyllite. PS2 defined by beige, v. light green & pale calcareous bands as well as qtz/dol. bands. S2 plane is light beige w green tinge. This sub-unit is finely mm interlaminated to banded over several dm's w sub-unit 1.
						Sub-unit 3 - PS2 laminated dark grey w slight green tinge, soft wkly carbonaceous, weakly dolomitic, phyllite. PS2 defined by light & dark grey laminations & qtz/dol

DDH 87-G-30 (2 8)

CURRAGH RESOURCES INC.

Lithologic Log

Date: 5/10/89 Logged By: PL

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						bands - S2 surface is light silver grey & smudges fingers light grey.
						TOI - 297 - v. broken - between 291-297 2.5ft is lost
						297-302 - v. broken . 1.5ft lost ; 302-307 - v. broken 0.8ft
						lost ; 307-312 - rubble. 2.5ft. lost ; 312-EOI - v. broken
						good recov. lower contact sharp & // S2
	321 8	333 1 (101 5)		17	5 B 0	
						PS2 laminated v. soft light grey w green tinge,
						musc. rich, chlorite rich, carbonaceous, weakly calcareous phyllite.
						PS2 defined by light & med dark grey laminations, as
						well as calcareous laminations . S2 planes are light
						silvery grey. Qtz vein at 226 - 226.9 (barren) -
						TOI - 326 - strongly broken ; 326 - 329.6 - rubble ;
						329.6 - 332 - mod. broken - ; 332 - EOI - rubble
						lower contact sharp but broken
	333 1	371 5 (113 2)		18	5 B 6 2	PS2 laminated v. soft , musc. rich ,
						dark grey, carbonaceous , non calcareous phyllite.
						PS2 is defined by dark grey carbonaceous bands, light
						grey musc. rich bands & qtz/ dol./amb/sid. bands. S2 plane is
						light silver grey & smudges fingers light grey.
						TOI - 337 - Highly broken & locally gouged - 1.5ft lost.
						337 - 344 - V. highly broken & gouged - 1.5ft lost
						341 - 345 - " " " 1ft lost
						341 - 348 - v. highly broken - good recov.

DDH 89-G-30 (2 — 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: 6/10/89 Logged By: M.L.

Code	From	To	Recov.	No.	Unit	Description
1	10 — 14	16 — 20	22 — 24	26 — 28	30 — 34	35
						348 - 356 v. highly broken - local gouge ~ 1ft lost
						356 - 364 - v. highly broken - good recov.
						364 - E01 - v. highly broken & gouged - 1.5ft lost
						Upper & lower contacts sharp but broken.
	3741 S	3813 6		19	5A1G101	9 minor
		1169				
						Hard, black, PS2 foliated, non calcareous, carbonaceous siliceous, Py bearing, phyllite. PS2 defined by qtz/Py bands in black cores. S2 plane is dark grey to black smudges fingers dark grey. Entire interval is v. highly broken - Good recovery except over entire interval. lower contact marked by appearance of major fault gouge.
	3813 6	4010 0		19	5A101	(SB6002) Daat fault Gouge (both) 70/30
		1219				
						Dominant - Fault gouged black carbonaceous, locally calcareous, compacted muddy phyllite. Locally is not gouged & can see that it is the same rock type as unit 19.
						Lesser - Fault gouged med. grey non calcareous weakly carbonaceous, compacted muddy, phyllite.
						In both sub units relict PS2 is visible locally. Rock

DDH 89-G-30
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: 6/10/89 Logged By: P.L

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						is 98% gouged. Weakly fractured in qtz./dol infilling.
						Core recovery good.
						400.0 EOH

DDH 89-G-30 (2 / 8)

CURRAGH RESOURCES INC.
Structural Log

Date: 08/10/89 Logged By: P. Ledwidge

Code	From	To	Feature	Sym	S_0 Dip Direct.	S_1 Dip Direct.	S_2 Dip Direct	Description
1	10 14	16 20	22 24	26	28 32	34 38	40 44	
	1919 0		PS12				610	PS2 - compositional banding
	1127 0		PS12				710	"
	1141 0		PS12				611	"
	1151 5		PS12				519	"
	1171 5		PS12				712	"
	1210 6 0		PS12				616	"
	1213 5		PS12				617	"
	1240 0		PS12				610	"
	1255 0		PS12				510	"
	1284 0		PS12				417	"
	1300 0		PS12				810	"
	1321 0		PS12				713	" - At this location can also see a post D2 lineament - fractures to measure comp. banding.
	1351 3 0		PS12				711	
	1361 0		PS12				710	"
	1381 2 0		PS12				712	"

DDH 89-6-30 (2 / 8) CURRAGH RESOURCES INC.

Page 1 of 1

Logged by P. Ledwidge

ASSAY LOG (SAMPLER'S COPY) Date _____ Sampled by _____

CODE	FROM	TO	SAMPLE	INTR.	REC (m)	UNIT	DESCRIPTION
	10 0 14	16 37.1 20	22 — 26	28 — 30	32 — 34	36 WASTE 40	42
	1121 8	1216 8	374120	50	1.3 42	14L10	(5A61 $ minor, 9 minor) (4E4+5xA) 50/40/10%
	1126 8	1310 8	374121	47	1.3 38	"	"
	1305 8	1314 9	374122	57	4.3 37	4A14019	$ minor (4L0) 90/10%
	1342 8	1319 9	374123	50	1.5 50	5A16 19	1 minor "stringer" (4L04 "stringer") (5B609 "stringer") 50/25/25%
	1392 8	1414 0	374124	50	1.5 49	"	"
	1442 8	1419 5	374125	50	1.5 50	"	"
	1492 8	1513 1	374126	40	1.0 38	"	"
	1532 8	1516 4	374127	32	0.5 16	"	"
	1564 8	1610 0	374128	36	1.1 36	4E4019	$ minor (5A69 "stringer") 90/10%
	1600 8	1613 0	374129	30	0.9 30	"	"
	1630 8	1658 0	374130	50	1.5 50	4A14019	$ minor (4L0) 95/5%
	1680 8	1713 0	374131	50	1.5 49	"	"
	1730 8	1718 0	374132	50	1.5 50	"	"
	1780 8	1822 0	374133	40	1.2 40	"	"
	1820 8	1855 7	374134	37	1.1 36	"	"
	1865 8	1878 9	374135	32	1.0 32	5A16 19	
	1888 9	1912 9	374136	40	1.0 34	4A14	(4L09) 80/20%
	1929 9	1966 4	374137	40	1.2 40	"	"
	1969 9	1981 3	374138	24	0.7 24	"	"
	1993 8	2105 0	374139	57	1.7 23	5A09	(4L05) (4E4$ minor) 85/10/5%
	2150 8	2089 6	374140	40	1.2 40	"	"
	2090 8	2163 0	374141	40	1.2 40	"	"
	649 9	1219	TOT			WASTE	
			EOH				

C.R.I. 1987

PROJECT _____ DRILLHOLE NO. 89-6-30 COORDINATES: N _____ DATE 8/10 1989

LOCATION _____ HOLE SIZE _____ E _____ PAGE 1 of 3

LOGGER P. Hedwigs INCLINATION _____ ELEVATION _____

PITEAU & ASSOCIATES
GEOTECHNICAL CONSULTANTS
VANCOUVER CALGARY

GEOTECHNICAL CORE LOG

DEPTH (TO)	LENGTH OF RUN	CORE RECOVERY		RQD		HARDNESS	DEGREE OF BREAKAGE		DEGREE OF WEATHERING	ROCK TYPE	BEDDING DIP		BEDDING JOINTS		CROSS JOINTS		COMMENTS
		LENGTH	%	LENGTH	%		CATEGORY	NO.			DEPTH	ANGLE	NO.	FREQ.	NO.	FREQ.	
76.5		5.0		0			6		E						5		
78.5		2.7		0			6		E						10		
80.0		1.8		0			4		E						15		
85.0		2.9		0			4		E						10		
92.0		0		—			—		—						—		
98.0		0		—			—		—						—		
102.0		5.4		0.9			9		F						5		
103.5		1.9		0			8		F						3		
108.5		3.5		0			1		B						4		
112.5		1.5		0.8			2		B						2		
113.5		1.5		0			3		D						NA		
118.0		0.6		0			4		D						NA		
122.0		2.6		0.4			6		E						4		
126.5		3.2		2.3			11		C						5		
131.5		5.0		1.1			8		D						4		
136.5		5.6		1.0			8		E						4		
141.5		5.0		0.5			8		E						5		
146.5		5.2		0			8		D						3		
151.5		5.0		0			7		D						2		
157.0		3.4		0			3		C						NA		
157.5		0.4		0			4		E						NA		
162.5		5.9		2.0			11		F						6		
167.5		5.9		1.6			9		E						12		
172.0		5.0		0.5			9		E						10		
177.0		5.8		0.6			9		E						15		
182.0		5.0		0.5			9		E						7		
187.0		6.6		0			5		E						NA		
192.0		5.2		0			8		C						15		

Fig. 1. Typical rock mechanics core log.

PROJECT _____ DRILLHOLE NO. 87-6-30 COORDINATES: N _____ DATE 8/10 19 89

LOCATION _____ HOLE SIZE _____ E _____ PAGE 2 of 3

LOGGER P. Ledwidge INCLINATION _____ ELEVATION _____

PITEAU & ASSOCIATES
GEOTECHNICAL CONSULTANTS
VANCOUVER CALGARY

GEOTECHNICAL CORE LOG

DEPTH (TO)	LENGTH OF RUN	CORE RECOVERY		RQD		HARDNESS	DEGREE OF BREAKAGE		DEGREE OF WEATHERING	ROCK TYPE	BEDDING DIP		BEDDING JOINTS		CROSS JOINTS		COMMENTS
		LENGTH	%	LENGTH	%		CATEGORY	NO.			DEPTH	ANGLE	NO.	FREQ.	NO.	FREQ.	
195.0		4.8		0			5		C							NA	
200		6.0		0.8			5		D							13	
203.0		0.2		0			4		E							NA	
205 0		0.9		0			4		E							NA	
209.5		6 1		0.9			7		F							4	
214.5		5.6		0.5			9		F							4	
220.0		5.7		2.0			10		F							3	
225.0		4.9		0			6		F							5	
231.0		6.0		0			6		F							5	
236.0		5.4		0			6		F							6	
241.0		5.1		0.9			9		F							8	
246.5		5.8		0			6		F							8	
251.5		5.3		0			6		F							9	
254.5		2.4		0			6		F							2	
258.5		4.9		0			6		F							8	
262 0		3.6		0.4			6		E							3	
266.5		1.9		0			6		F							2	
271.0		5.1		1.1			10		F							7	
276.0		4.0		0			6		D							13	
281.5		3.8		0			2		C							8	
287.0		3.8		0.5			6		E							4	
292.0		2.2		0			4		E							4	
297.0		2.3		0			6		E							3	
302.0		3.5		0			6		F							5	
307.0		4.4		1.2			9		F							4	
312.0		2.5		0			3		F							NA	
317.0		5.5		1.5			8		E							8	
322.0		5.5		0			7		E							7	

Fig. 1. Typical rock mechanics core log.

PROJECT _____ DRILLHOLE NO. 89-G-30 COORDINATES: N _____ DATE 08/10 1989

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LOGGER P.L. INCLINATION _____ ELEVATION _____

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VANCOUVER CALGARY

GEOTECHNICAL CORE LOG

DEPTH (TO)	LENGTH OF RUN	CORE RECOVERY		RQD		HARDNESS	DEGREE OF BREAKAGE		DEGREE OF WEATHERING	ROCK TYPE	BEDDING DIP		BEDDING JOINTS		CROSS JOINTS		COMMENTS
		LENGTH	%	LENGTH	%		CATEGORY	NO.			DEPTH	ANGLE	NO.	FREQ.	NO.	FREQ.	
327.0		5.8		0			7		E						10		
332.0		5.2		0			6		E						12		
337.0		3.5		0			6		E						10		
341.0		2.5		0			2		C						NA		
345.0		3.7		0			2		C						NA		
349.5		3.7		0			6		F						7		
356.0		6.1		0			3		D						10		
361.5		5.7		0			9		F						12		
371.5		8.0		0			2		C						NA		
376.5		4.8		0			3		D						NA		
380.0		3.7		0			6		F						7		
385.0		5.5		0			6		E						6		
390.0		2.9		0			1		B						NA		
395.0		5.0		0			1		B						NA		
400.0		5.9		0			1		B						NA		

Fig. 1. Typical rock mechanics core log.

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Page 1 of ____

DIAMOND DRILL CORE LOG

Date: _____

Hole Number: 89G-31

Reference Fabric Orientation Diagram:

Project: _____

Location: _____

Claim: _____

Terr.Plane Co-ords.: 6,904,381.016 N 5,788.82 N

592,563.476 E 2,456.91 E

Grid Co-ords: 54W / 5+00S

Elevation: 1249.074

All symmetry determinations looking

Total Depth: 329 feet _____ with _____ dipping

Inclination: -90° vertical _____ with dip azimuth _____.

Purpose: Test Champ zone

Reason hole Terminated: Drilled into Dad intr. fault

Logged by: _____ Date(s) Logged: _____

Drilling Contractor: ARCTIC

Size	CORE From	To	
NW	0	132	feet
NQ	132	_____	feet
_____	_____	_____	

Hole Cemented: No Steel down Hole: No Collar Cased and Capped: No

Assay Lab: _____

Certificate No's: _____

Started: Aug 31/89 Completed: Sept 1/89

CURRAGH RESOURCES INC.
Diamond Drill Core Log

DDH 89G-31 (2 – 8)

Date: _____ Logged By: _____

Code	Drillhole	Elevation	Northing	Easting	Units (feet/metres)	R.F.E.	
1	2 – 8	10 – 16	17 – 24	25 – 32	34 – 39	41 – 42	
T							

FERT

Code	Drillhole	Depth	Zenith Angle	True Azimuth	Comments
1	2 – 8	10 – 14	22 – 26	28 – 32	34 – 56
RR		10	-90°	10°	AT COLLAR
* R		2012	-86°	0410°	SPERRYSUN 1-1201L
R		2012	-88°	0520°	SPERRYSUN 1-1901L
R		3212	-85°	0216°	SPERRYSUN
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					

Code	Drillhole	Comments, Errant Remarks, Snivellings and / or Lewd Suggestions
1	2 – 8	10 – 56

DDH 89-G-31 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: 9 Oct/89 Logged By: P. Ledwidge

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	0	?1333 0		001		Tricaned O.B. No Return
		40 2				
	?1333 0	1334 0		002		Ground mixed boulders- some are pyritic
		40 8				
	1334 0	1510 0		003	4E4019	$ minor, 1BxA (4LO) (5A6) 80/10/10
		45 7				
						Dominant- V. strongly broken, gouged & highly weathered over 80% of interval. Where not broken is PS2 laminated, hard pyritic, Sph/Gn bearing, weakly dolomitic massive sulphides. PS2 is defined by Py rich, sph/Gn rich, & qtz/dol. rich bands & laminations. Locally brecciated Minor Cpy blebs
						Sub-unit 2- Highly weathered & gouged v. light cream v. soft & friable musc. rich non-calcareous phyllite. Can see occasional thin beige laminations of this rock in dominant rock but is mostly bands ≥10 cm & very weathered.
						Sub-unit 3- Highly weathered black friable compact mud. phyllite. Is finely interlaminated & interbanded with other 2 sub units. Where fresh has dark grey silvery PS2 surface.
						Upper contact rubbly - lower contact marked by disappearance of 2 subunits & better rock strength.
						Est Pb + Zn 10-12%
						Good core recovery.

DDH 89-G-31 (2 — 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: 9/10/89 Logged By: PL

Code	From	To	Recov.	No.	Unit	Description
1	10 — 14	16 — 20	22 — 24	26 — 28	30 — 34	35
	1510 0	1517 8		04	4E4109	(4A04) 70/30 %
		481				
						Dominant - PS2 laminated + banded pyritic, hard, siliceous, pyritic, Sph/Gn bearing massive sulphides. PS2 defined by Pyrich, Sph/Gn rich + qtz rich bands - Bands range from mm laminations to 10-20cm bands of massive sulphides. Minor Cpy blebs
						Lesser - PS2 laminated hard siliceous, carbonaceous pyritic, Sph/Gn bearing (minor) quartzite. PS2 defined by black carbonaceous, pyritic + qtz. laminations. 30-40% of core is sulphides. Py bands are parallel to foliation (S_2) but there are also secondary blebs of qtz. ie 2 events of sulphidization. Lower
						Lower contact marked by appearance of non-carb. qtzite. Sharp contact // S_2
						TOI - 153.7 - mod. broken } Good recovery
						153.7 - EOI - strongly broken } Good recovery
						Est Pb+Zn - 15-18 %
	1517 8	1611 4		05	4D4109	
		492				
						PS2 laminated v. hard siliceous, non calcareous, non-carbonaceous, pyritic qtzite. PS2 is defined by Py rich, qtz. rich, + Sph/Gn rich laminations.

DDH 89-0-31 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: 09/10/89 Logged By: R.L.

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						30-40% sulphides - tr. spy blebs. Interval is highly broken. Good recovery. Est Pb+Zn 5-8% lower contact marked by sharp appearance of carbonaceous laminations. + is // Sz
	1161 4	1175 9 536		1016	4 1A 14 10 19	
						PS2 laminated + banded, v. hard, carbonaceous, siliceous pyritic, sph/Gn bearing quartzite. Bands range from mm laminations to dm bands of Py, black carbonaceous, white qtz + sph/Gn rich bands. These define PSz. Interval is strongly broken + has many fractures // CAX. Lower contact gradual + marked by increase in qtz bands + decrease in sulphide bands.
						Est. Pb+Zn - 8-10%
	1175 9	1922 586		1017	4 1A 10 14 1	(4h0 $ minor) 80/20 %
						Dominant - PS2 laminated hard siliceous predominantly black + white, carbonaceous, pyritic, weakly Sph/Gn bearing non calcareous qtzite. PSz defined by Py, carbonaceous + qtz laminations - 20-30% sulphide bands 30-40% qtz bands. kithons + larger folds are observed throughout interval. CAX changes frequently.

CPI 1987 E-7

DDH 89-G-31

CURRAGH RESOURCES INC.
Lithologic Log

Page 6 of

Date: 09/10/89 Logged By: P.L.

Code	From	To	Recov.	No.	Unit	Description
						Lesser V. soft PS2 foliated, light khaki w light green tinge, musc. rich weakly dolomitic, weakly chloritic phyllite. PS2 defined by khaki + green/khaki laminations. This sub-unit is interlaminated on mm scale or interbanded on dm scale with main unit. It is more weathered + more friable than main unit.
						TOI - 183.7 - mod. broken - good recov.
						183.7 - 186.3 - v. strongly broken - " "
						186.3 - EOI " " "
						Est. Pb + Zn - 3-5%
						Lower contact sharp + // S2. Noted by increase in sulphides
	192.2	206.5 / 62.9		08	4A409	(4LO $ minor) 95/5%
						Dominant - PS2 laminated hard, carbonaceous, siliceous, pyritic, Sph/Gn bearing, qtzite. PS2 defined by sulphide rich, black carbonaceous + white/grey qtz laminations + bands. There also Py + Cpy veins that crosscut S2 at a very steep angle. Microlithons + small folds noted locally, otherwise CAX is steep + constant.

DDH 89-G-31

CURRAGH RESOURCES INC.
Lithologic Log

Page 7

Date: 09/10/89 Logged By: PL

Code	From	To	Recov.	No.	Unit	Description
						Lesser - Same khaki musc. rich wkly dolomitic, wkly chloritic phyllite as unit 7 (lesser). Is interlaminated to interbanded on mm to cm scale.
						TOI - 196.5 - mod. broken - 0.5ft lost
						196.5 - 201.5 - v. broken 4.5ft lost
						201.5 - EOI - v. broken 2.5ft lost
						Lower contact sharp but broken
	2065	2280 69 5		09	5B26	q minor, $ minor
						PS2 laminated, carbonaceous, musc. rich, non calcareous weakly dolimitic, weakly pyritic (trace) med- to dark grey soft phyllite. PS2 defined by light grey musc. rich laminations, & dark grey carb. rich laminations - & also by qtz. bands. Some qtz bands & veins //S2 are dol rich. Minor py //S2. S2 plane is light silver grey & shiny - Smudges fingers light silvery grey.
						214.5 - 216.0 - Several large qtz/dol vein //S2 (barren)
						Interval mod to strongly broken & wkly fractured. Good recovery throughout interval
						Lower contact gradual.

DDH 89-6-31 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: 10/10/89 Logged By: PL.

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	2218.0	2427.0 740		110	51A1609	$ minor, ± 1
						PS2 laminated hard to soft, black, locally siliceous, non calcareous, carbonaceous phyllite. PS2 defined by black carbonaceous bands, qtz/dol bands & minor amounts of musc. rich light grey bands. Rock is hard, locally where siliceous. Qtz bands comonly define lithons & are also locally boudinaged // S2 & locally these contain Py (locally 2-3% of core). S2 plane dark grey to smudged grey. Entire interval is mod to strongly broken - Small shear zone at 234-234.5. Good core recovery. Lower contact gradual.
	2427.7	2750.0 83.8		111	51B2	$ minor, ± # minor
						Soft PS2 laminated med grey, carbonaceous, musc. rich, weakly dolomitic, locally weakly calcareous phyllite. PS2 is defined by light grey musc.-rich, darker carbonaceous & white qtz/dol lamination. S2 plane is med silvery grey & smudges fingers light to med grey. Lithons noted locally, otherwise CAX is steep & relatively constant.
						TOI - 2600 - mod. broken - good recov.
						2600-2620 - Small gouge zone - 0.5 ft lost
						2620 - 2668 - mod. broken. good recov.

DDH 89-6-31 (2 8)

CURRAGH RESOURCES INC.

Lithologic Log

Date: 10/10/89 Logged By: PL

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						266.8 - 267.5 - Small shear zone - good recov.
						267.5 - EOI - mod. broken - good recov.
						Entire interval is v. weakly fractured - fractures filled w qtz/dol + minor calcite.
						lower contact gradual
	12750	12812		112	5B2216	1 minor, ∓ 9 minor
		857				
						Mod. hard, weakly siliceous, PS2 laminated dark grey to black, carbonaceous, weakly musc. rich phyllite. This unit is similar to previous unit but is more carbonaceous + slightly silicified. PS2 defined by black carbonaceous + lighter musc. rich laminations. No qtz/dol laminations. S2 surface is med to dark silvery grey + smudges fingers med to dark grey. Local minor fractures filled w Py. (Less than 1% py in core.)
						275.8 - 278.5 - v. strongly broken - Rest of interval is mod broken - Good recovery.
						lower contact is sharp' + // S2
	12812	12962		113	5B161	(SB226, 1 minor) 60/40 %
		903				
						Dominant - PS2 laminated light grey, musc. rich, non calcareous, very soft phyllite. PS2 defined by lighter + slightly darker grey laminations as

DDH 89-6-31 (2 8)

CURRAGH RESOURCES INC.

Lithologic Log

Date: 10/10/89 Logged By: PC

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						well as local qtz/dol bands + also interlumination with lesser unit S_2 planes are light to med. silver grey + smudge fingers med. grey.
						Lesser - Similar dark grey to black locally siliceous carbonaceous, wkly muscovitic phyllite as unit 12. PS_2 defined by dark + lighter laminations as well as interlaminations in dominant unit. Tr. Po blebs stretched // S_2.
						This unit represents the transition between unit 12 + 14. lower contact gradual + marked by dissappearance of carbonaceous rocks.
						TOI -281.6 - gouged (dominant). } Good recovery
						281.6 - 289.0 - mod broken } Good recovery
						289.0 - 292.0 v. strongly broken } Good recovery
						292.0 - EOI - Gouged + missing 0.5ft.
	2916 2	3121 6		114	5B1614	± ₱, 2 minor
		980				
						PS_2 laminated very soft light grey to med grey, musc. rich, non calcareous, locally weakly dolomitic, weakly carbonaceous phyllite. PS_2 defined by light grey + darker grey laminations as well as local qtz/dol. bands. S_2 plane is light to med grey + smudges fingers light to med. grey.

DDH B-86-31
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: 10/10/89 Logged By: _____

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						TOI - 299.5 - strongly broken - Good recovery
						299.5 - EOI - sheared + gouged throughout - Good recovery
						except at: 306.0 - 312.0 lost 0.5ft ; 312-316.0 - lost
						1.5ft . At 317.5-318.5 have qtz vein w 3-5% Py. Broken up.
						Lower contact is sharp but gouged.
						This unit represents the beginning of the Doal fault.
	312 16	329 0		15	5A16	
		100 3				
						Doal fault - Completely gouged dark grey to
						black compact mud , carbonaceous, non-calcareous
						phyllite. Powder stains fingers dark grey. Relict
						foliation still visible locally. Can note that foliation
						changes frequently from steep to // to CA X
						326-329 - 0.5ft lost - otherwise good recovery
						329.0 EOH

DDH 89-6-31 (2 / 8)

CURRAGH RESOURCES INC.
Structural Log

Date: 10/18/89 Logged By: P. Ledwidge

Code	From	To	Feature	Sym	S_0 Dip Direct.	S_1 Dip Direct.	S_2 Dip Direct	Description
1	10 14	16 20	22 24	26	28 32	34 38	40 44	
	1143 O		PS2				616	PS2 - compositional laminations
	1512 O		PS2				615	"
	1812 S		S1			412 10	612	PS2 - compositional laminations S1 - S fold
	1917 O		PS2				72	PS2 compositional laminations
	2210 S		PS2				617	"
	2413 S		PS2				610	"
	2517 O		PS2				518	"
	2710 O		PS2				613	"
	2917 S		PS2				518	"
	3111 O		PS2				510	"
	3211 O		PS2				411	"

DDH 87-G-31 CURRAGH RESOURCES INC. Page 1 of 1

Logged by P. Ledwidge

ASSAY LOG (SAMPLER'S COPY) Date 9/10/87 Sampled by

CODE	FROM	TO	SAMPLE	INTR.	REC (m)	UNIT	DESCRIPTION
1	10 8 14	16 40.8 42.4 20	22 — 26	28 30	32 34	36 WASTE 40	42
	1340	1419	374412	50	1.5 50	4E4109	$minor, IBXA, (4LO)(SA6) 80/10/10 %
	1419	1436	374413	40	1.4 40	"	"
	1436	1447	374414	40	1.1 37	"	"
	1447	1510	374415	30	0.9 29	"	"
	1510	1546	374416	40	1.4 40	4E4109	(4A04) 70/30 %
	1546	1548	374417	38	1.3 38	"	"
	1548	1611	374418	36	1.1 36	4D4109	
	1611	1650	374419	50	1.5 50	4A4109	
	1664	1711	374510	50	1.4 49	"	
	1714	1753	374511	45	1.4 45	"	
	1759	1754	374512	40	1.2 40	4A0141	(4LO $minor) 80/20 %
	1799	1839	374513	40	1.4 40	"	"
	1839	1889	374514	50	1.5 50	"	"
	1889	1922	374515	33	1.0 33	"	"
	1922	2015	374516	93	1.5 49	4A4109	(4LO $minor) 95/5 %
	2015	2065	374517	50	0.9 28	"	"
	629	1003	—	—	—	WASTE	
		EOH					

PROJECT _____ DRILLHOLE NO. 89-6-31 COORDINATES: N _____ DATE 10/10 1989

LOCATION _____ HOLE SIZE _____ E _____ PAGE 1 of 2

LOGGER P. Radwidge INCLINATION _____ ELEVATION _____

PITEAU & ASSOCIATES
GEOTECHNICAL CONSULTANTS
VANCOUVER CALGARY

GEOTECHNICAL CORE LOG

DEPTH (TO)	LENGTH OF RUN	CORE RECOVERY		RQD		HARDNESS	DEGREE OF BREAKAGE		DEGREE OF WEATHERING	ROCK TYPE	BEDDING DIP		BEDDING JOINTS		CROSS JOINTS		COMMENTS
		LENGTH	%	LENGTH	%		CATEGORY	NO.			DEPTH	ANGLE	NO.	FREQ.	NO.	FREQ.	
134.0		0.9		0			4		E						NA		
139.5		6.7		0			3		C						NA		
145.0		7.8		0			3		C						NA		
149.5		4.3		0			3		C						NA		
155.0		6.0		1.9			9		F						15		
160.0		6.6		0.5			6		F						30		
165.0		5.0		0			6		F						25		
170.0		5.0		0.4			6		F						25		
175.5		6.1		0.4			7		F						20		
181.0		6.0		1.3			9		F						10		
186.0		6.2		0.6			9		F						10		
191.5		6.1		0.5			7		F						13		
196.5		5.0		0.9			10		F						8		
201.5		0.5		0			4		F						NA		
206.5		2.3		0			6		F						7		
212.0		3.8		0			9		F						5		
217.0		6.4		1.1			9		F						8		
222.0		5.2		0			7		F						2		
227.0		5.5		0			7		F						0		
232.0		5.0		0.4			7		F						5		
237.0		5.0		0			6		F						2		
242.0		5.3		0			7		F						0		
247.0		5.3		0.4			7		F						1		
252.0		5.3		0.9			7		F						2		
257.0		5.5		0			7		F						0		
262.0		4.3		0			6		F						1		
267.0		5.1		0			6		F						2		
272.0		5.7		1.1			8		F						2		

Fig. 1. Typical rock mechanics core log.

PROJECT _____ DRILLHOLE NO. 89-G-31 COORDINATES: N _____ DATE 10/10/ 1989

LOCATION _____ HOLE SIZE _____ E _____ PAGE 2 of 2

LOGGER P.L. INCLINATION _____ ELEVATION _____

PITEAU & ASSOCIATES
GEOTECHNICAL CONSULTANTS
VANCOUVER CALGARY

GEOTECHNICAL CORE LOG

DEPTH (TO)	LENGTH OF RUN	CORE RECOVERY		RQD		HARDNESS	DEGREE OF BREAKAGE		DEGREE OF WEATHERING	ROCK TYPE	BEDDING DIP		BEDDING JOINTS		CROSS JOINTS		COMMENTS
		LENGTH	%	LENGTH	%		CATEGORY	NO.			DEPTH	ANGLE	NO.	FREQ.	NO.	FREQ.	
277.0		5.5		1.7			10		F						4		
282.0		5.5		0			8		F						6		
287.0		5.7		0			7		F						4		
292.0		5.8		0			6		E						8		
296.0		3.0		0			1		B						NA		
299.0		2.8		0			6		F						2		
302.0		3.8		0			2		C						NA		
303.9		1.5		0			1		B						NA		
306.0		3.1		0			2		C						NA		
312.0		5.4		0			2		C						NA		
316.0		2.5		0			2		C						NA		
318.5		2.8		0			2		C						NA		
322.0		3.8		0			2		C						NA		
326.0		4.3		0			1		B						NA		
329.0		2.5		0			1		B						NA		

Fig. 1. Typical rock mechanics core log.

89-G-32

CURRAGH RESOURCES INC.

Page 1 of ____

DIAMOND DRILL CORE LOG

Date: _____

Hole Number: 89G-32

Reference Fabric Orientation Diagram:

Project: _____

Location: _____

Claim: _____

Terr.Plane Co-ords.: 6,904,341.708 N 5,789.97 N

592,526.246 E 2,402.76 E

Grid Co-ords: 54W / 7S

Elevation: 1246.433

All symmetry determinations looking

Total Depth: 455 feet

_____ with _____ dipping

Inclination: -90° (vertical)

_____ with dip azimuth _____.

Purpose: Test Champ Zone horizon

Reason hole Terminated: Drilled into Dash Lake Fault

Logged by: _____

Date(s) Logged: _____

Drilling Contractor: Arctic

Size	CORE From	To
NW	0	42 feet
NQ	42	455 feet

Collar Cased and Capped: ____

Hole Cemented: _____ Steel down Hole: _____

Assay Lab: _____

Certificate No's: _____

Started: Sept 1/89 Completed: Sept 3/89

C.R.I. 1987 E - 1

CURRAGH RESOURCES INC.

Diamond Drill Core Log

DDH 89G-32 (2 — 8)

Date: _____ Logged By: _____

Code	Drillhole	Elevation	Northing	Easting	Units (feet/metres)	R.F.E.	
1	2 — 8	10 — 16	17 — 24	25 — 32	34 — 39	41 42	
T							

FEET

Code	Drillhole	Depth	Zenith Angle	True Azimuth	Comments
1	2 — 8	10 — 14	22 — 26	28 — 32	34 — 56
RR		10	-9101.0	101.0	AT COLLAR
R		1/3140	-1891.0	3151/1.0	SPERRY SUN
R		2/8140	-1871.0	0131/31.0	SPERRY SUN
R		4/3140	-1841.0	0131/41.0	SPERRY SUN
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	

Code	Drillhole	Comments, Errant Remarks, Snivellings and / or Lewd Suggestions
1	2 — 8	10 — 56

DDH 89-G-32

CURRAGH RESOURCES INC.
Lithologic Log

Date: 11/10/89 Logged By: P.L. Lawrence

Code	From	To	Recov.	No.	Unit	Description
	0	42 413	0	1011		Tricone d O.B. No return
		12	8			
	413	413	5	1012		Mixed ground boulders.
		13	3			
	413	510	0	1013	5A/1019	
		15	2			
						PS_2 laminated blacks, weakly calcareous, siliceous, carbonaceous, hard weakly pyritic phyllite. PS_2 defined by blacks carbonaceous bands, & qtz/calcite/py laminations. S_2 planes are dark grey & shiny & smudge fingers dark grey. TOI - 47.9. Very broken & rubbly; 47.9 - 50 - Rubbly & gouged. Can't tell recovery - no tag at start of hole. Lower contact sharp but broken.
	510	516	2	1014	5B/21	± #
		17	1			
						Soft PS_2 laminated med grey, muscovite-rich, locally strongly calcareous, carbonaceous, phyllite. PS_2 defined by dark grey carbonaceous laminations & light grey, musc.-rich & calcareous laminations. S_2 planes are light to med silvery grey & smudge fingers light grey. Entire interval is rubbly & v. broken except for 52.0 - 54.8 where it is weakly broken CAX is steep & constant. Lower contact sharp but broken.

DDH 89-6-3.2 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: 12/10/89 Logged By: P Ledwidge

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	516 2	811 4		105	5A1161	± $ minor, 9 minor
		24 8				
						Hard, siliceous PS2 laminated black, weakly pyritic, carbonaceous, non-calcareous phyllite. PS2 defined by blacks carbonaceous bands & white thread-like qtz ± py laminations. S2 planes are dark shiny grey & smudge fingers dark grey.
						Entire interval is v. strongly broken to rubbly except at 63-63.7 where it's mod. broken
						Lost 1ft from 64-69.0; lost 3.5 ft from 69-74.0; lost 1.5ft from 74-77.0; lost 1.5ft from 77-EOI.
						At EOI have joint at 12° CAX at 180° from PS2
						Have gouge zone at contact of jt. (Lower contact)
	811 4	960		106	5B101	(5A109, $ minor) 60/40 %
		29 3				
						Dominant- Soft PS2 laminated, calcareous, musc. rich, med. grey phyllite. PS2 defined by dark grey carbonaceous & light grey calcareous laminations. S2 planes are light to med. grey. & smudge fingers light grey
						Lesser- Hard, siliceous, black, PS2 laminated, carbonaceous, weakly dolomitic, weakly pyritic phyllite. PS2 defined by black carbonaceous bands & white qtz/do/Py laminations. S2 surface dark grey & shiny & smudges fingers dark grey. Most of this sub-unit is rubble or gouge

DDH 89-6-32 (2 / 8)

CURRAGH RESOURCES INC.

Lithologic Log

Date: 12/10/89 Logged By: PL

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Entire interval is gouged rubble except at 92.0 - 94.5 where it is mod. to strongly broken. Lower contact sharp but rubbly. Local lithons.
						TOI - 87. lost 2 ft.; rest of recovery is good.
	91.6 0	114.10 0 (427)		107	SIAI 1019	$minor ± # (SB2 $minor) 90/10 %
						Dominant - Hard, siliceous PS2 laminated, carbonaceous, weakly dolomitic, locally weakly calcareous, black, weakly pyritic phyllite. PS2 defined by black carbonaceous bands ± white qtz ± dol ± calc. ± Py laminations. S2 plane is dark grey & shiny & smudges fingers black.
						Lesser (118.9 - 122.8) - Slightly lighter colour than dominant. Dark grey mod. soft, PS2 laminated, musc. rich, weakly dolomitic non calcareous, carbonaceous phyllite. PS2 defined by dark grey to black carbonaceous bands & lighter grey musc. & dol. rich laminations. S2 surface med - dark grey & smudges fingers light to med. grey. Local lithons
						Barren qtz vein // S2 at 99.5 - 100.5.
						Entire interval is strongly broken w. small ≤ 0.5 ft local rubble & minor gouge zone at; 96.0, 105.5, 109.5, 117.0, 120.0. Lost 3.5 ft at 114 - 119.0; lost 1 ft at 132.5 - 137.0

DDH 89-6-32 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: 12/10/89 Logged By: PL.

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Rest of recovery good.
						Lower contact is sharp & // Sz - local lithons
	1410 0	1518 6		10 18	5 B 2 3	
		48 3				
						Soft PSz laminated, carbonaceous, strongly calcareous, musc. rich med to dark grey phyllite. PSz defined by med to dark grey carbonaceous laminations, & white qtz/calcite laminations as well as sericite thread-like laminations - Sz planes med to light grey & smudge fingers light grey. Entire interval is mod to strongly broken - Core recov. good. Lower contact gradual - local lithons
	1518 6	1710 0		10 19	5 A 1 1019	± $ minor
		51 8				
						Hard, siliceous, PSz laminated, carbonaceous, locally weakly dolomitic, non calcareous black phyllite. PSz defined by black bands & light grey qtz ± Py laminations. Sz is dark silvery grey & smudges fingers dark grey. Entire interval is v. strongly broken to rubbly w/ minor gouge except TO1-159.5 & 161-162.0 which are strongly broken.
						160-165.0 lost 0.8 ft; 168.5-EOI lost 0.5 ft.
						Lower contact gradual.

DDH 89-6-32 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: 12/10/89 Logged By: PL

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	1170.0	1193.0 588		10	SIB12	± $minor (4L01, $minor) (5A1, $minor) 95/4/1 %
						Dominant - PSz laminated med. grey, soft, musc. rich, non calc., locally weakly dol., carbonaceous phyllite. PSz defined by dark grey carb. laminations & light grey musc. rich laminations as well as thin qtz ± dol thread-like laminations. Sz plane is light grey & smudges fingers same colour.
						2nd sub-unit. Light khaki w green tinge, soft, weakly silicified, musc. rich, wkly chloritic, wkly dol., non calc. pyritic (stringers) phyllite. Is intercallated w sub-unit 3 at 0.5 ft of upper contact. PSz defined by beige musc/chl. rich bands & qtz ± dol stringers & py stringers. Sz plane is white to light grey "talcy" Smudges fingers white.
						3rd Sub-unit - 2 Thin bands of same siliceous black phyllite as unit 9.
						TOI - 186.5 - V. strongly broken w small local gouge zones
						186.5 - EOI - V. strongly broken.
						172 - 177.0 - 2.5 ft lost; 178.5 - 181.5 - 0.5 ft lost; 181.5 - 186.5 - 0.8 ft lost; Lower contact - beginning of gouge zone.

DDH 89-G-32 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: 12/10/89 Logged By: PC

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	1193 0	2011 5		111	51B1612	Gouged, (4B04) (4L0) 75/20/5 %
		61 4				
						Dominant - Gouged v. soft light grey compacted mud, non calcareous, weakly carbonaceous phyllite. Crumbles to light grey powder. Is similar to previous dominant unit but is completely gouged.
						2nd sub-unit - Hard pyritic, non calc., wkly dolomitic, weakly sph/Gn bearing massive sulphide. Can't see banding. tr - 1% Sph/Gn. Is located at 196.0 - 198.4 & includes 0.5ft of 3rd sub-unit.
						3rd Sub-unit - Gouged white v. soft compacted mud. w/ relict fol., non calc., phyllite. Is white in powder & "taley".
						Entire interval is gouged except massive sulphides Core recov. good Est Pb+Zn - tr-1% lower contact noted by lack of gouge & is sharp. Massive sulphides do not necessarily indicate the presence of larger proximal deposit. May be a/ xenolith in fault zone or may indicate a truncated & displaced massive sulphide zone.
	2011 5	2316 8		112	51B2161	
		72 2				

DDH 89-6-32

CURRAGH RESOURCES INC.
Lithologic Log

Date: 12/10/89 Logged By: IL

Code	From	To	Recov.	No.	Unit	Description
						light to med grey PS2 foliated, musc. rich, wkly chloritic, non calcareous carbonaceous, phyllite. PS2 defined light + medium grey bands white stringer q/z laminations. S2 surface is light grey + smudges fingers light grey. Local lithons.
						Lower contact is sharp // S2
						TOI - EOI - V. strongly broken to rubbly. Gouge zones at 233.2 - 234.0; 234.5 - 335.2.
						207-212 - 2.5 ft lost; 212-215.5 - 1ft lost; 218-220.5 - 0.5 ft lost; Rest has good recovery.
	236 8	240 0		13	51A101	
		7.4 4				
						Mod hard (can just be scratched w nail) PS2 foliated black carbonaceous locally weakly calcareous phyllite. PS2 defined by dark grey + lighter grey (wkly muscovitic) laminations as well as light q/z/± calcite stringer laminations. S2 planes dark grey + smudge fingers dark grey.
						Strongly broken - Good recovery.
						Lower contact sharp // S2.
	240 0	281 0		14	51B216	
		8.5 6				
						Soft PS2 foliated, carbonaceous, musc.-rich, wkly chloritic, med to dark grey, non-calcareous phyllite.

DDH 89-G-32 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: 12/10/89 Logged By: PL

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						PS2 defined by med & dark grey laminations as well as thread-like qtz rich laminations. S2 plane is light, tomed. grey & smudges fingers light grey. Local 5-10 cm qtz/dol/ank/sid. veins //S2 Entire interval is mod. broken. Locally slightly gouged in contact w veins. Good recov. Lower contact gradual.
	2811	3218 100	S 1	115	5A1610 14	±$, ± # minor ±2 (4L01) 99/1
						PS2 laminated black & dark grey, carbonaceous, locally dolomitic, locally wkly calcitic, locally siliceous, phyllite. PS2 defined by dark grey wkly muscovitic bands & black carbonaceous bands. S2 plane is dark grey & smudges fingers dark grey. Rock is soft where musc. rich & harder where carbonaceous & hard where black & silicified. At 314.5-315.0 have softly deformed inclusion of light grey/beige wkly silicified musc. rich phyllite. May not be band of this rock type due to irregular contact. Local lithons Entire interval is mod. broken & has good recovery.
	3218	3597 1096		116	5B09	±1, # minor 99/1
						Dominant - Black hard to soft, locally silicified,

DDH 89-G-32 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: 12/10/89 Logged By: PL

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						PS_2 laminated, carbonaceous, locally weakly calcitic phyllite. PS_2 defined by dark grey, weakly muscovitic, bands + black carbonaceous bands as well as thin qtz ± calcite ± Py laminations. S_2 planes are dark grey to black + smudge fingers black.
						Lesser. Thin ≤ 0.5cm laminations of beige soft, dolomitic, musc. rich phyllite. These are interlaminated randomly throughout interval. lower contact sharp but gouged.
						TOI - 349.0 - Mod. broken - good recov.
						349.0 351.7 - Gouged - lost 1.5 ft.
						351.7 - 353.5 - Broken qtz/dol/ank vein // S_2 - good recov.
						353.5 - 355.0 - Gouged - good recov.
						355.0 - EOI - V. str. broken, minor gouge lost 1ft
	351.9 7	391.1 5		117	5B2161	
		119 3				
						PS_2 laminated v. soft, musc. rich, non calcareous, carbonaceous, med- to dark grey phyllite. PS_2 defined by med grey + dark grey laminations. S_2 plane is med grey to light grey + smudges fingers light grey. Has random fractures filled w ank/sid. sub parallel to CAX.
						TOI - 366 - V. strongly broken + gouged. Good recov.

CRI 1987 F-3A

DDH 89-6-32 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: 12/10/89 Logged By: PL

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						366.0 - 382.8 - Mod. broken. Gouged at 373.0-374. Lost 1ft somewhere during this interval.
						-382.8 - EOI V. strongly broken + gouged - Good recov except at 380-385 - lost 1ft.
						Lower contact sharp but gouged
	391 5	445 5		118	5B2109	
		135 8				
						PS2 laminated, hard, siliceous, carbonaceous, weakly calcareous, very broken to gouged., pyritic phyllite. PS2 defined by black bands + thin white qtz ± $CaCO_3$ ± Py stringer lamination. Sz plane is dark grey + smudge fingers dark grey. Rock is soft where strongly broken + gouged. Mod. fractured. These are filled by qtz ± Py + trace dol in vein fractures. From 438.7 to EOI have intense qtz/dol "flooding", as we approach Deal fault. Sil/dol comprises 30% of rock. Tr. Py in "flooded" area.
						TOI - 418.8 - V. strongly broken, slightly gouged locally 403.5 - 408.5 - 0.5ft lost - Elsewhere - good recov. 418.8 - 427.0. Gouged; 416 - 421 - 1ft lost; 421 - 426 - 3ft lost; - 426 - 429.5 - V. strongly broken, good recov.; 429.5 - 432 - Gouged - good recov; 432 - 435 V. strongly broken - 1ft lost -; 435 - 438.7 - V. strongly broken - good recov. 438.7 - EOI Strongly broken - good recov.

DDH 87-G-32 (2 / 8)

CURRAGH RESOURCES INC.

Lithologic Log

Date: 13/10/89 Logged By: PL

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						lower contact sharp but gouged.
						Local lithons.
	4445	4514 4			5A1O	Doal fault - Gouged
		1385				
						Black carbonaceous, weakly calcareous, compact
						mud, phyllite. Relict foliation apparent locally. Powder
						is black when crushed in fingers. Lower contact sharp
						@ 11 Sz - 446 - 450 1ft. lost
	4514 4	4156 0			4L1O	# minor Doal fault
		138 7				
						light beige, weakly calcareous, compact mud phyllite.
						Relict foliation apparent. Powder is white & taley when
						crushed in fingers.
						455 EOH

DDH 89-G-32

CURRAGH RESOURCES INC.
Structural Log

Date: 13/10/89 Logged By: P. Ledwidge

Code	From	To	Feature	Sym	S_0 Dip Direct.	S_1 Dip Direct.	S_2 Dip Direct	Description
	10 14	16 20	22 24	26	28 32	34 38	40 44	
	513 0		PS2				615	PS2 - compositional laminations
	613 S		PS2				718	"
	917 0		S1			315 10	618	PS2 - comp lam. S1 - S fold (lithon)
	1125 0		PS2				412	PS2 comp. laminations
	1134 0		S1			314 10	511	PS2 comp. lam. S1 - S fold (lithon)
	1518 0		PS2				615	PS2 comp. laminations
	1711 0		PS2				613	"
	2014 S		PS2				411	"
	2211 S		PS2				310	"
	2417 0		PS2				417	"
	2614 0		PS2				515	"
	2711 S		PS2				612	"
	2915 S		PS2				416	"
	3118 0		PS2				617	"
	3317 0		PS2				616	"
	3518 0		PS2				710	"
	3720 S		PS2				513	"
	3919 0		PS2				615	"
	4114 0		PS2				618	"
	4285 S		PS2				518	"
	4414 0		PS2				415	"

PROJECT _____ DRILLHOLE NO. 89-G-32 COORDINATES: N _____ DATE 13/10 19 89

LOCATION _____ HOLE SIZE _____ E _____ PAGE 1 of 4

LOGGER P. Ledwidge INCLINATION _____ ELEVATION _____

PITEAU & ASSOCIATES
GEOTECHNICAL CONSULTANTS
VANCOUVER CALGARY

GEOTECHNICAL CORE LOG

DEPTH (TO)	LENGTH OF RUN	CORE RECOVERY		RQD		HARDNESS	DEGREE OF BREAKAGE		DEGREE OF WEATHERING	ROCK TYPE	BEDDING DIP		BEDDING JOINTS		CROSS JOINTS		COMMENTS
		LENGTH	%	LENGTH	%		CATEGORY	NO.			DEPTH	ANGLE	NO.	FREQ.	NO.	FREQ.	
50		5.7		0			2		E						NA		
53.5		4.6		0.5			3		F						5		
59.0		5.6		1.1			6		E						NA		
64.0		4.7		0			6		F						NA		
69.0		4.1		0			3		D						NA		
74.0		1.7		0			4		D						NA		
77.0		1.4		0			4		D						NA		
82.0		1.5		0			2		C						NA		
87.0		3.5		0			1		B						NA		
92.0		4.9		0			3		D						NA		
93.5		2.0		0			6		F						2		
95.5		1.5		0			2		C						2		
96.0		0.5		0			6		E						1		
105.5		5.0		1.2			7		F						4		
109.5		5.8		0.4			10		F						5		
114.0		5.7		0			9		F						5		
119.0		1.7		0			6		F						2		
121.5		2.6		0			3		C						NA		
124.5		3.4		0			6		D						5		
129.5		5.0		1.5			7		F						10		
132.5		4.4		0.8			7		F						5		
137.0		3.6		0			7		F						8		
140.0		3.3		0			6		F						4		
145.0		5.5		0			7		E						5		
150.0		5.6		0			7		E						6		
155.0		5.4		0			8		F						1		
160.0		6.0		0			8		E						8		
165.0		4.2		0			6		E						NA		

Fig. 1. Typical rock mechanics core log.

PROJECT _____ DRILLHOLE NO. 89-G-32 COORDINATES: N _____ DATE 13/10 1989

LOCATION _____ HOLE SIZE _____ E _____ PAGE 3 of 4

LOGGER P.L. INCLINATION _____ ELEVATION _____

PITEAU & ASSOCIATES
GEOTECHNICAL CONSULTANTS
VANCOUVER CALGARY

GEOTECHNICAL CORE LOG

DEPTH (TO)	LENGTH OF RUN	CORE RECOVERY		RQD		HARDNESS	DEGREE OF BREAKAGE		DEGREE OF WEATHERING	ROCK TYPE	BEDDING DIP		BEDDING JOINTS		CROSS JOINTS		COMMENTS
		LENGTH	%	LENGTH	%		CATEGORY	NO.			DEPTH	ANGLE	NO.	FREQ.	NO.	FREQ.	
281.0		5.5		0			6		F						6		
286.0		6.5		0			6		F						10		
291.0		5.0		0			6		E						6		
296.5		5.6		0			7		F						4		
302.0		5.9		0			7		F						7		
307.0		5.0		0			6		E						6		
312.0		5.3		0			6		F						8		
317.0		6.0		0			7		E						12		
322.0		5.0		0.4			7		F						10		
332.0		10.7		3.1			10		F						6		
337.0		5.5		0			7		F						1		
342.0		5.2		0.4			7		F						8		
347.0		5.8		0			6		F						7		
352.0		3.4		0			2		C						NA		
355.0		3.0		0.5			2		B						NA		
359.0		2.9		0			2		B						NA		
362		1.9		0			1		B						NA		
366		4.4		0			1		B						NA		
369.5		3.4		0			3		C						10		
374.5		5.4		0			6		D						7		
380.0		4.0		0.9			10		F						1		
385.0		4.1		0			6		D						5		
390.5		5.7		0			2		B						NA		
394.0		2.1		0			2		B						NA		
399.0		4.4		0			3		C						NA		
402.0		3.8		0			3		C						NA		
403.5		2.6		0			6		E						5		
408.5		4.3		0			3		C						NA		

Fig. 1. Typical rock mechanics core log.

PROJECT _____ DRILLHOLE NO. 84-G-32 COORDINATES: N _____ DATE 13/10 1984

LOCATION _____ HOLE SIZE _____ E _____ PAGE 4 of 4

LOGGER P.L. INCLINATION _____ ELEVATION _____

PITEAU & ASSOCIATES
GEOTECHNICAL CONSULTANTS
VANCOUVER CALGARY

GEOTECHNICAL CORE LOG

DEPTH (TO)	LENGTH OF RUN	CORE RECOVERY		RQD		HARDNESS	DEGREE OF BREAKAGE		DEGREE OF WEATHERING	ROCK TYPE	BEDDING DIP		BEDDING JOINTS		CROSS JOINTS		COMMENTS
		LENGTH	%	LENGTH	%		CATEGORY	NO.			DEPTH	ANGLE	NO.	FREQ.	NO.	FREQ.	
413.5		5.0		0			3		E						NA		
416.0		3.8		0			3		E						NA		
421.0		4.3		0			2		C						NA		
426.0		2.0		0			1		B						NA		
429.5		4.1		0			4		D						NA		
432.0		3.2		0			1		B						NA		
435.0		3.9		0			3		C						NA		
438.0		3.2		0			3		C						NA		
441.0		3.9		0.5			6		C						10		
446.0		5.8		0			3		C						NA		
450.0		3.0		0			1		B						NA		
455.0		5.7		0			1		B						NA		

Fig. 1. Typical rock mechanics core log.

89-G-33

CURRAGH RESOURCES INC. Page 1 of ____

DIAMOND DRILL CORE LOG Date: _____

Hole Number: 89G-33 Reference Fabric Orientation Diagram:

Project: _____

Location: _____

Claim: _____

Terr.Plane Co-ords.: 6,904,298.757 N 5,727.31 N

592,571.853 E 2,401.60 E

Grid Co-ords: 52 W / 75

Elevation: 1240.103 All symmetry determinations looking

Total Depth: 282 feet _____ with _____ dipping

Inclination: -90 (vertical) _____ with dip azimuth _____.

Purpose: Test Champ zone

Reason hole Terminated: Drilled into Deal Lake fault

Logged by: _____ Date(s) Logged: _____

Drilling Contractor: ARCTIC

	Size	CORE From	To
	NW	0	42 feet
	NQ	42	282 feet

Collar Cased and Capped: No

Hole Cemented: No Steel down Hole: No

Assay Lab: _____

Certificate No's: _____

Started: Sept 3/89 Completed: Sept 4/89

C.R.I. 1987 E - 1

CURRAGH RESOURCES INC.

Diamond Drill Core Log

DDH 89G-33 (2 — 8)

Date: _____ Logged By: _____

Code	Drillhole	Elevation	Northing	Easting	Units (feet/metres)	R.F.E.	
1	2 — 8	10 — 16	17 — 24	25 — 32	34 — 39	41 42	
T							

FEET

Code	Drillhole	Depth	Zenith Angle	True Azimuth	Comments
1	2 — 8	10 — 14	22 — 26	28 — 32	34 — 56
R		100	-19101.0	101.0	AT COLLAR
R		1115 0	-1881.0	0151/1.0	SPERRY SUN AZIMUTH APPR
R		12150	-1816.0	0116/1.0	SPERRY SUN
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R			.	.	
R					
R					
R					
R					
R					

Code	Drillhole	Comments, Errant Remarks, Snivellings and / or Lewd Suggestions
1	2 — 8	10 — 56

DDH 89-G-33 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: 10/10/89 Logged By: P. Lalwidge

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	0	? 12.6 4 1 5		01		Tricone d.B. No return
	41 5	12.8 4 2 1		02		Mixed boulders
	42 1	15.9 5 5 5		03	4L01	$ minor
						PS2 laminated light khaki w̄ green tinge or light grey (depending on weathering) v. soft musc. rich, chloritic, dolomitic, non calcareous phyllite. PS2 is defined by light beige/green/khaki bands & white sericite rich bands. S2 surface is light beige w̄ green tinge on weathered core & light grey on fresh. Lithons seen frequently
						TO1 - 55.0 - mod. broken - good recovery
						55.5 - E01 - v. strongly broken - good recovery
						Lower contact broken but sharp.
	55 5	19.3 6 3 3		04	4E4118	#minor, 5 minor, 9 minor (460±1) 98/2 %
						Dominant PS2 banded hard, siliceous, pyritic, Sph/Gn, ± Mt bearing, massive sulphides. PS2 defined by py rich bands & black discontinuous carbonaceous & white qtz bands. 70-80 % sulphides. Qtz bands also contain calcite. There are also blebs of qtz/calcite stretched // S2
						Tr. Cpy blebs
						Lesser - Inter laminations of beige musc. rich v. soft or

DDH 89-6-33 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: 10/10/89 Logged By: P. L.

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						silicified phyllite. Is same phyllite as unit 3.
						TOI - 58.5 weakly broken - 58.5 - EOI mod to strongly broken - Core recovery good for entire interval.
						Lower contact is 5cm silicified lesser unit. sharp contact w/ next unit + // Sz
						Est Pb+Zn - 10-12%
	633	722 (723-1) 4		105	4A4A1019	± $ minor
						Very hard siliceous PS2 banded, carbonaceous, pyritic, Sph/Gn bearing, locally weakly dolomitic, non calcareous quartzite. PS2 defined by Py rich, Sph/Gn rich, carbonaceous, + qtz bands. Sulphide content ~ 30-40%. Banding is at mod. steep angle to CAX + remains constant. Tr. Cpy blebs. Local areas have Sph/Gn bands + almost no Py in quartzite.
						TOI - 66.0 - strongly broken } Good recovery
						66.0 - EOI - v/ly broken }
						Est. Pb+Zn - 8-10% - lower contact sharp + // Sz
	724	811 (814.7) 0		106	4E1418B	(5D604) (4D4) (4L1) 87/5/5/3%
						Dominant - Very hard, siliceous PS2 laminated, pyritic, Sph/Gn bearing, barite bearing, magnetite bearing massive sulphides. PS2 is defined by Py/Sph/Gn, Py, Mt, Ba + silica

DDH 89-G-33 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: 11/10/89 Logged By: P.L.

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						rich laminations + bands as well as interlamination w other 3 sub-units.
						2nd Sub-unit- V. soft chloritic, non-calcareous, mod. musc rich, light green phyllite. PS2 is defined by fine green laminations + interlaminations w other sub-units. Core is often very friable + broken.
						3rd Sub-unit- Hard to v. soft, muscovite rich beige, locally silicified, non calcareous, phyllite. PS2 defined by light beige + slightly darker beige laminations + interlamination w other sub-units.
						4th Sub-unit- White w red (sph/Gn) laminations, siliceous, pyritic, v. hard quartzite. 30% of rock is Sph/Gn laminations. These + Py laminations defined PS2 as well as interlaminations w other sub-units.
						Entire interval is mod broken except locally where phyllites are friable + weathered. Lower contact is sharp + // S2. Good recovery. Est Pb+Zn - 15-18%
	811 0	26-5 87 1		1017	4 D 1 4 8	
						Very hard PS2 laminated Sph/Gn bearing, pyritic, non-calcareous, Mt bearing quartzite. PS2 defined by qtz,

DDH 89-G-33 (2 8)

CURRAGH RESOURCES INC.

Lithologic Log

Date: 11/11/89 Logged By: P.L

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Sph/Gn/Mt, Py laminations as well as "threads" of beige soft sericite. 30-40% sulphides - Sph/Gn dominant. Well banded - CA× semi-steep & constant.
						TOI - 81.8 - Wkly broken 81.8 - 83.0 - strongly broken } Good recovery. 83.0 - EOI - weakly broken
						Est Pb+Zn - 10-12%
	817	1017 (32.6) 0		018	41E1418	(SA609, $minus)(410)(404) 77/10/10/3 %
						Dominant - Hard PS2 laminated pyritic, Sph/Gn bearing, Mt bearing, non calcareous massive sulphides. PS2 defined by Py, Sph/Gn/Mt, & silica rich laminations, as well as interlaminations w other sub-units.
						Sub-unit 2 - Black hard, siliceous, carbonaceous, locally pyritic, weakly dolomitic (porcerive), non calcareous PS2 laminated phyllite - PS2 defined by dark carbonaceous lamination & lesser lighter laminations & local Py laminations. Rock is usually v. broken. Sz surface & black & smudges fingers dark grey.
						Sub-unit 3 - Very light beige w green tinge, vr soft, musc. rich, chloritic, non calcareous, phyllite. Is very broken up & friable. Sz surface is light cream & "talcy" & smudges fingers white.

DDH 89-G-33 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: 11/11/89 Logged By: P.L.

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Sub-unit 4 - V. hard PS2 laminated Sph/Gn bearing, pyritic, non-calcareous quartzite. Is similar to unit 7 but no Mt is noted (could be due to v. small sample)
						T01 - 89.5 - mod to strongly broken 89.5 - 91.7 - v. strongly broken + local gouge 91.7 - 99.2 - mod - to strongly broken 99.2 - 101.5 - v. strongly broken 101.5 - EOI - Mod to strongly broken } Good recovery
						Note: Areas where gouged or v. strongly broken are always the phyllites
						Est - Pb+Zn - 15-18%
						Lower contact sharp but broken.
1	1017 0	2578.9 0		1019	5A 16 1014	9minor (5A6 ± 1, 9minor) (4L0 $minor) 50/50/trace %
						Sub-unit 1 - Soft PS2 laminated, dark grey, med. musc.-rich, non calcareous, weakly pyritic, phyllite. PS2 is defined by dark grey + lighter grey laminations as well as ± Py rich qtz lamination. It is also defined by interlamination w other sub-units. S2 surface is med grey + smudges fingers same colour.
						Sub-unit 2 - Soft to hard, locally siliceous, black non calcareous, locally dolomitic phyllite. PS2 defined by black + dark grey + siliceous ± Py laminations as well

DDH 89-G-33 (2 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: 4/11/89 Logged By: PC

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						as interlaminations w sub-units. Sz surface is black & smudges fingers dark grey.
						Sub-unit 3 - (214.3 - 214.5) V. soft light khaki w green tinge PSz laminated, non calcareous, weakly dolomitic, muscovite rich, chloritic phyllite. PSz defined by beige/green laminations & qtz/dol laminations as well as interlamination w other sub-units.
						Lithons are seen locally in both major units. Otherwise CAx is v. steep to shallow but relatively constant. local sheared gouge zones
						TO1 - 147.6 - strongly broken - good recovery.
						147.6 - gouge - between 147.6 - 152 - 2ft. lost (Gouged & v. str. broken)
						152.0 - 154.0 - v. str. broken ; 154.0 - 161.5. Gouged & 5% v. str. broken
						152.0 - 157.0 - 1.5ft. lost ; 161.5 - 177.5 - V. str. broken - Good. recovery
						177.5 - 181.6 - Gouged, lost 0.5ft. 181.6 - 192.0, V. str. broken
						good recov. ; 192.0 - 205.5 - mod. broken - good recov. ; 205.5 - 207 -
						weakly sheared - g. recov. ; 207.0 - 226.5 - v. strongly broken - gouge
						zone at 212.0 - 212.8 - Good recov. ; 226.5 - 236.5 - V. str. broken
						local crushed areas at 226.5, 231.5, 236.0 - 236.5. Lost 1ft at
						226.5 - 231.5. ; 236.5 - 241.5. Strongly broken good recov.
						241.5 - 243. Gouged - good recov. 243.0 - 244.1 - str. broken
						good recov. ; 247.1 - 251.5 - Gouged - Missing 2ft between
						246.0 - 251.5. ; 251.5 - EOI - Gouged & v. broken - good recovery.
						Lower contact noted by constant gouge zone.

DDH 89-G-33

CURRAGH RESOURCES INC.

Lithologic Log

Date: 11/11/89 Logged By: PL

Code	From	To	Recov.	No.	Unit	Description
	259.0	282.0		110	51A161	Minor - Gouged (5A6 gouged) - Dual fault 60/40
						Both sub-units are the same 2 major sub-units found in previous unit but they are completely gouged or locally sheared into putty chips. The black carbonaceous gouge is weakly dolomitic & crumbles to dark grey powder. The slightly lighter, dark grey gouge crumbles to med. grey powder. Core recovery is good except at 268 - 272.0 where 1.5ft av. lost.
						282 EOH

DDH 89-6-33 (2 / 8)

CURRAGH RESOURCES INC.
Structural Log

Date: 11/11/89 Logged By: P. Lodge

Code	From	To	Feature	Sym	S_0 Dip Direct.	S_1 Dip Direct.	S_2 Dip Direct	Description
1	10 14	16 20	22 24	26	28 32	34 38	40 44	
	47 0		PSZ				75	PS_2 - compositional banding
	61		PSZ				53	"
	92		PSZ				65	"
	109		PSZ				75	"
	122		PSZ				73	"
	137		PSZ				86	"
	172		PSZ				56	"
	194		PSZ				50	"
	205		M			10 10	52	PS_2 - compositional banding in S_1 = M fault [illegible]
	222		PSZ				66	PS_2 - compositional banding
	254		PSZ				60	"
	284		PSZ				52	"

DDH 89-G-33 (2 / 8) CURRAGH RESOURCES INC.

Page 1 of 1

Logged by P. Leedwidge

ASSAY LOG (SAMPLER'S COPY) Date 10/10/87 Sampled by

FROM	TO	SAMPLE	INTR.	REC (m)	UNIT	DESCRIPTION
10 014	166.9 ~~25~~ 26	22 — 0 — 26	28 — 30	32 — 34	36 WAST 40	42
165.5	18.1 169.5	374558	40	1.4 40	41E411	#minor, Sminor, $minor (4L0±1) 98/2%
169.5	19.4 176.3	374559	38	1.3 38	"	"
176.3	20.8 176.83	374610	50	1.5 50	4A4019	± $minor
176.83	22.1 177.24	374611	41	1.4 41	"	"
177.24	23.5 177.70	374612	46	1.4 46	41E4181	(SD604)(4D4)(441) 87/5/5/3 %
177.70	24.7 178.11 0	374613	40	1.4 40	"	"
178.11 0	25.8 178.45	374614	35	1.1 35	41D4181	
178.45	26.5 178.71	374615	26	0.8 26	"	
178.71	28.1 179.12 1	374616	50	1.5 50	41E4181	(SA609, $minor)(4L0)(4D4) 77/10/10/3 %
179.12 1	29.6 179.71	374617	50	1.5 50	"	"
179.71	31.1 180.12 1	374618	50	1.5 50	"	"
180.12 1	32.6 180.70	374619	49	1.5 49	"	"
312.6	186.0	—	—	—	WASTE	

C.R.I. 1987 E-5

PROJECT _____ DRILLHOLE NO. 89-G-33 COORDINATES: N _____ DATE 11/11 1989

LOCATION _____ HOLE SIZE _____ E _____ PAGE 1 of 2

LOGGER P.L./L.J.C. INCLINATION _____ ELEVATION _____

PITEAU & ASSOCIATES
GEOTECHNICAL CONSULTANTS
VANCOUVER CALGARY

GEOTECHNICAL CORE LOG

DEPTH (TO)	LENGTH OF RUN	CORE RECOVERY		RQD		HARDNESS	DEGREE OF BREAKAGE		DEGREE OF WEATHERING	ROCK TYPE	BEDDING DIP		BEDDING JOINTS		CROSS JOINTS		COMMENTS
		LENGTH	%	LENGTH	%		CATEGORY	NO.			DEPTH	ANGLE	NO.	FREQ.	NO.	FREQ.	
46.0		4.6		0			7		E						7		
51.5		5.2		1.5			9		F						3		
56.5		5.1		1.6			8		E						5		
62.0		5.2		1.3			8		F						10		
66.0		4.6		12.5			7		F						9		
70.5		5.4		4.6			11		F						1		
75.0		5.1		2.2			11		F						5		
78.0		2.9		0.6			9		F						3		
82.0		5.0		0.4			7		F						4		
85.5		4.0		3.3			11		F						3		
91.0		5.6		0.7			8		F						7		
96.5		5.4		0.4			8		F						5		
101.5		5.2		0			6		F						10		
107.0		6.0		0.5			6		F						8		
112.0		5.5		0.4			7		F						2		
117.0		5.7		0			7		F						4		
122.0		5.1		0.5			7		F						6		
127.0		5.1		0			6		F						3		
132.0		5.0		0			7		F						2		
137.0		4.7		0			7		F						2		
142.0		3.8		0			7		F						5		
147.0		4.1		0.4			6		F						2		
152.0		3.0		0			6		E						6		
157.0		3.4		0			2		B						NA		
161.5		3.2		0			2		B						NA		
165.0		3.8		0			6		D						10		
169.5		4.9		0.5			5		F						5		
173.5		3.6		0.9			7		F						5		

Fig. 1. Typical rock mechanics core log.

89-G-34

CURRAGH RESOURCES INC. Page 1 of ____

DIAMOND DRILL CORE LOG Date: _____

Hole Number: 89G-34

Reference Fabric Orientation Diagram:

Project: GRUM - SUMMER 89

Location: GRUM DEPOSIT.

Claim: _____

~~Terr~~.Plane Co-ords.: 6,904,747.298 N 6,089.59 N

592,489.927 E 2,678.83 E

Grid Co-ords: 64 W / 2+25 N

Elevation: 1276.603

All symmetry determinations looking

Total Depth: 300.5 feet _____ with _____ dipping

Inclination: -90 (VERTICAL) _____ with dip azimuth _____.

Purpose: Metallurgical Sample of Dogmatic Massive Sulphides

Reason hole Terminated: _____

Logged by: C.V. REED Date(s) Logged: Sept 12-14, 1989

Drilling Contractor: ARCTIC

Size	CORE From	To	Collar Cased and Capped: No
HW	0	154 feet	
HQ	154	300.5 feet	

Hole Cemented: No Steel down Hole: No

Assay Lab: LAKEFIELD RESEARCH

Certificate No's: _____

Started: Sept 5/89 Completed: Sept 8/89

_____

CURRAGH RESOURCES INC.

Diamond Drill Core Log

Date: _____ Logged By: _____

DDH 89G-314
(2 8)

Code	Drillhole	Elevation	Northing	Easting	Units (feet/metres)	R.F.E.	
	2 8	10 16	17 24	25 32	34 39	41 42	
T							

FEET

Code	Drillhole	Depth	Zenith Angle	True Azimuth	Comments
	2 8	10 14	22 26	28 32	34 56
R	89G-314	10 0	-91 0	101 0	AT COLLAR
R	89G-314	1218.5 0	-78 18 0	171 6 0	SPERRY 1SURV
R					
R					
R					
R					
R					
R					
R					
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R					
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R					
R					
R					
R					
R					

Code	Drillhole	Comments, Errant Remarks, Snivellings and / or Lewd Suggestions
	2 8	10 56

DDH B-96-34

CURRAGH RESOURCES INC.
Lithologic Log

Page 03

Date: SEPT 12/89 Logged By: CJK

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	10 0	115 40		11	17#	TRICONED - NO RECOVERY
		46 9				
	115 40	116 18		12	17#	TILL.
		49 3				Variably sized, rounded 10AB & 0/B quartzite pebble fragments.
						Minor 0/B mud recid. 0.8' core recid.
	116 18	116 37		13	15B16	4 GOUGE? [4L Gouge]
		50 8				V soft, nonculuneous, white-grey "talcose" altered
						mafic phyllite gouge. Core is rubble and gouge.
						2.4' recid.
	116 37	116 96		14	14E114	Bxa, Moderately weathered. Locally Porous.
		51 7				Poorly banded, moderately hard, dark brown-grey, high
						grade, siliceous, semi massive pyrite sulphide contains abundant
						suspended, subrounded, small qtz "clasts, generally < 1 cm
						ϕ. Nonculuneous. Top 1.5 feet porous, moderately weathered,
						Patchy, orange rust on fracture surfaces. Sphalerite occurs in
						thin streaks and infilling thin fractures. Est % Qtz = 20%
						Est % Pyrite 8-9%, dominately fn.
						Core V broken, Recov. O.K
	116 96	117 149		15	14D13	Bxa (4A4 ± 9Trace) Bxa (4E14) Bxa.
		53 3				Highly fractured, brecciated, ± hard, locally moderately
						carbonaceous pyritic qtzite. Top 1.5 feet contains highly
						fractured + broken pegmatitic quartz vein. Fractures infilled with
						fine pyrite, lesser galena + sphalerite. Unit is poorly banded

DDH BRG-34
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Page 04

Date: SEPT 1987 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Banding defined by massive fine pyrite + lesser sphalerite + galena. Within sulphide bands are abundant suspended subrounded, hard white qtz "clasts". Bands range up to 15 cm thick and show ductile flow characteristics around fragmented qtz vein and 4A "clasts".
						Bottom 1.5' is highly fractured & broken, sulphide bonded carbonaceous qtz-tc clast within massive py sulphides. Clast contains thin py + gal+sph ribbon banding defining both S_1 and S_2. Sulphides have been extensively remobilized into thin late fractures. Surrounding clast is fine grained massive py + minor sph + gal sulphides. Massive sulphides contain abundant small subrounded qtz clasts - same as unit #4.
						Est % Pb + Zn entire interval 6-8%. Abundant orange rust on fracture surfaces. Only minor patchy rust on cut surface.
						Core ū broken, 4.6' recd.
1 1 7 1 4 9	1 1 8 1 7 4			1 6	1 4 1 E 4	± 1 ± 4 = Bxa.
	5 7 1					ū hard, brassy yellow, massive pyritic sulphides. Contains local diffuse bands defined by interstitial sph + gal. Bands aligned // to S_2. Top 7.0' of unit highly fractured and locally brecciated. Contains local small subrounded qtz "clasts" concentrated in thin, diffuse bands up to 2cm thick aligned // to S_2.
						Fractures locally, vuggy due to weathered carbonate?

DDH 88G-3,4 (2, 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: SEPT 12/89 Logged By: CMS

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Abundant patchy orange rust on fracture surfaces. Cut surface shows only slight weathering.
						Est Pb+Zn ranges from 2-8%. Grade increases moving down unit. Average grade 5-6%?
						TOI → 181.0 Core v broken due to steep fractures. 4.9' spread out rec'd.
						181.0 → 183.5 Breccia + gouge. Only 0.5' rec'd. Significant fault?
						183.5 → EOI moderately broken, recy O.K.
	1 1 8 7 4	1 1 9 1 7		7	1 4 6 10	Slightly weathered
		58 4				Thinly ISB banded, mod' barren, massive pyrite/base metal sulphide/sulphate. Banding generally < 2 cm thick, defined by variations in pyrite and barite content. Local minor sph + gal - grade likely in the 5-6% range.
						Local patchy orange rust on fracture surfaces. Cut surface fresh. Core moderately broken along late steep fractures.
						3.9' rec'd.
	1 1 9 1 7	1 1 9 1 6 5		8	1 4 E 4	Bxa.
		59 9				V high grade, highly fractured and broken massive sph + gal + py sulphide breccia. Only 1.5' rec'd. Patchy orange rust on fracture surfaces Est %Pb+Zn 18-20%.
						Unit is porous and friable. Largest intact piece 5 cm long.

DDH B96-34
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: SEPT 12/89 Logged By: CVB

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	119165	119181		109	141013	± Bxa.
		604				Py > Sph + Gal Banded, v hard, locally brecciated, highly
						fractured quartzite. Banding // to Sz comprises up to 10cm
						thick. Banding approx 50-60% of unit volume. Sulphides
						obviously remobilized into abundant thin fractures. Est
						% Pht Zn 8-10%. Minor patchy rust on fracture surfaces.
						Core in broken, 1.5' rec'd.
	119181	121011		110	14A10	Bxa.
		613				V hard, highly fractured, ribbon banded, carbonaceous qtzite
						breccia. Sz surfaces shiny black, marks fingers. Ribbon banding
						highly disrupted along late fractures. Est % Py 25-30%
						Est % Sph + Gal 4-5%. Abundant patchy orange rust
						on fracture surfaces. Core locally vuggy due to weathered
						carbonate in fractures.
						Core v broken, 3.2' rec'd.
	121011	121026		111	141E44	
		621				V high grade poorly banded sph + gal > py massive
						sulphides. Unit is mod- hard, red-brown, locally vuggy due
						to weathered carbonate within fractures. Est % Pb+Zn 35%.
						Dominately sph. "Micro buckshot" texture.
						Core in broken, very gravel. Local minor patchy
						orange rust on fracture surfaces.

DDH B.9.G-34
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: SEPT 12/89 Logged By: CUR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	12013 6	12111 7		112	14A10	Brx
		645				Highly fractured and broken, mod hard, ribbon banded carbonaceous gtz-ite breccia. Ribbon banding highly disrupted along late fractures defined by fine py > qtz. Grade poor, 3-4% Pb+Zn. Unit same as #10. Bottom 1.4' highly brecciated and may indicate fault against lower massive pyritic sulphides. Slight patchy rust on fracture surfaces.
						Core V broken, 9.2' rec'd.
	12117	12319 3		113	14E4	± 6 minor ± Poro-s. ± Brx minor
		729				Thickly PS2 banded, locally poorer, high grade massive pyritic sulphides. Banding ranges up to 20 cm thick, defined by local concentrations of red-brown sph + galena. Locally porous in thick bands due to weathering out of carbonate? Unit locally brecciated in 1' intervals up to 30 cm thick. Only local traces of visible weathering. Minor brxtn in thin PS2 bands in bottom 2.0' of interval. Est Pb+Zn 10-12% overall. Breccia a result of brittle deformation rather than fault related.
						Core slightly broken, recovery good. Nonvalorous
	12319 3	12410 3		114	11010919	
		732				Highly fractured, pervasive gtz vein = fractures infilled w massive sph + py. Fractures range in thickness up to 5 cm. Est Pb+Zn 12-15%.
						Core V broken, very good.

DDH 89G-34

CURRAGH RESOURCES INC.

Lithologic Log

Date: SEPT 12/89 Logged By: CUR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	12410 3	12418 2		115	14E41	± 6 minor ± Brecs
		75 7				Same as unit @ 13. Sph + Gal bands less abundant.
						High grade massive pyritic sulphides. PS2 banded.
						Core locally rubble due to steep fractures. Contains local
						large cream-white "clasts" of qtz+clay - likely broken
						qtz veins. Est Pb+Zn 6-8%, dominantly Zn. Nonmagnetic
						TOI → 243.7 slightly broken, recy good.
						243.7 → 245.0 rubble due to abundant steep fractures
						2.0' spread out rec'd.
						245.0 → EOE ~ broken, recy good.
						Minor local patchy rust on cut surface - Post drilling?
	12418 2	12510 5		116	14D14	
		76 4				~ hard, sph + gal + py banded, qtzite. Bands define S2
						range up to 10 cm thick, and one 40-50% of unit
						volume. Margins of 4D are // to S2. Est % Pb+Zn
						12-15%, dominantly Sph. No visible weathering.
						Core ~ broken, recy OK
	12510 5	12610 1		117	14E14	Porous (4LO) frame.
		79 3				Thinly PS2 banded, medium grade, porous, massive
						pyritic sulphides. Banding defined by local concentrations
						of red-brown sph+gal. Porous due to weathered carbonate?
						TOI → 252.7 mod broken, recy good.
						252.7 → 255.8 rubble, 3.3' rec'd.
						255.8 → EOI ~ broken, recy good.
						At 259.5 is cataclastic, soft, white, 3 cm thick

DDH 89G-34
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: SEPT 9/89 Logged By: CVR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						altered mafic phyllite band.
	12610 1	12619 0		18	14 1D 14	
		820				
						High grade Py + Sph - Gal banded, ± hard, locally highly fractured gneiss. Banding ranges up to 15 cm thick, defines S_2, and is 25 - 30% of unit volume. Selvages extensively re-mobilized into late x-cutting fractures. Est Pb+Zn 12 - 14%, dominantly Sph. No visible oxidation. Locally, slightly porous due to weathering out of carbonate in fractures.
						TOI → 266.0 ± broken, recy O.K.
						266.0 → 267.4 rubble due to steep fracture, recy O.K.
						267.4 → EOI ± broken, recy good.
	12619 0	12715 0		19	14 1A H	
		838				
						High grade, ± hard, ribbon banded carbonaceous gneiss. Ribbon banding defines $S_1 + S_2$. "M" region - several phase 2 fold hinges. Banding generally < 5 cm thick, defined by Sph + Py + minor Gal. S_2 surfaces dull - dark grey, - only slightly marks fingers.
						Est % Pb+Zn 8 - 12%. Dominately Sph.
						$S^=$ banding 25 - 30% of unit volume. Margins of 4A sharp, // to S_2.
						TOI - 270.0 ± broken, recy good.
						270.0 - 273.5 rubble & brec 3.1' spread out recd.
						273.5 - EOI ± broken, recy good

DDH 89G-34 (2 / 8)

CURRAGH RESOURCES INC.
Lithologic Log

Date: SEPT 12/89 Logged By: CWR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	12715 0	12882 1 86 0		1210	141D14	33 v high grade, v pyritic, hard, thickly banded qtz-sulphide. Bands locally range up to 30 cm thick, define both S1 + S2. Sulphides extensively re-mobilized into late thin fractures. Locally vuggy due to weathering of carbonate in fractures. Qtz bands ↑ moving down interval. Est % Pb+Zn 12%, dominately Sph. Est % Py 30-40%. Core is broken along steep fractures, recy OK. No visible weathering
	12812 1	12814 3 86 7		1211	141E10	1 minor Homogeneous, v hard, fine grained, massive pyritic sulphides. No grade. Minor small recrystallized subrounded white quartz clasts 1.5' of interval. Margins of 4E sharp, // to S2 Core is broken, recy good.
	12814 3	13005 91 6		1212	141A14	3 ± 9 face High grade, ribbon banded, moderately carbonaceous, v hard, quartzite. Ribbon banding ranges up to 15 cm thick aligned // to S2. Sulphides extensively re-mobilized into late steep fractures. Thin qtz bands + carbonaceous folia define S1 and S2. Locally vuggy due to weathering of carbonate in fractures. Patchy tan-yellow oxidation coatings on fracture surfaces. Concentration of sulphide bands decreases gradually moving down interval. Overall, Sulphide bands 30-35% of unit volume. Est Pb+Zn 12-15%. Dominately Zn.

DDH BGG-34
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: Sept 13/87 Logged By: CWR

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
						Unit is only moderately carbonaceous - Sx surfaces dull dark grey - only slightly mark fingers
						Traces of splashy Cpy in local thin fractures
						TOI - 297.9 m broken, recy good
						297.9 - EOH m broken along local steep fractures, recy good.
						*NOTE This hole drilled to collect massive sulphide ore types for metallurgical testing. It was drilled using HQ gauge with water only - no bit lubricants or diesel oil.
						Hole shut down after drilling into lower 4A out of massive sulphides.
						EOH

DDH 89-34 (2 8)

CURRAGH RESOURCES INC.
Structural Log

Page _____ of _____

Date: SEPT 12/89 Logged By: CVR

Code	From	To	Feature	Sym	S_0 Dip Direct.	S_1 Dip Direct.	S_2 Dip Direct	Description
	10 14	16 20	22 24	26	28 32	34 38	40 44	
		117170	PSR				41	Obscure banding in 4E
		118190	PSR				47	Ba banding in 4G
		119165	PSR				46	Carbonaceous folia in 4A
		121230	PSR				55	Sph banding in 4E
		121375	PSR				57	" " " "
		121490	PSR				68	Banding in 4D.
		121575	PSR				4R	Banding in 4E
		121735	CSR			114 0 10 10	68	Lithons in 4A
		121819	PSR				52	Banding in 4D.
		123865	CSR			210 0 10 10	61	Lithons in 4A
		123985	CSR			35 0 10 10	61	" " "

DDH 89G-13,14 (2 of 8) CURRAGH RESOURCES INC. Page ____ of ____

Logged by ____

ASSAY LOG (SAMPLER'S COPY) Date SEPT 14/89 Sampled by ____

CODE	FROM	TO	SAMPLE	INTR.	REC (m)	UNIT	DESCRIPTION
	10 — 04	16 — 20	22 — 26	28 — 30	32 — 34	36 — 40	42
	50.8 1 1 6 1 6 7	51.7 1 1 6 1 9 6	3 7 1 0 6 3	1 2 9	0.8 0.8	1 4 E V H	Bxa
	1 1 6 1 9 6	53.3 1 1 7 1 4 9	3 7 1 0 6 4	1 5 3	1.5 1.5	1 4 A 3 1	Bxa
	1 1 7 1 4 9	53.9 1 1 7 1 7 0	3 7 1 0 6 5	1 2 1	0.6 1 2	1 4 E 4 1	± 1 ± 4
	1 1 7 1 7 0	55.2 1 1 8 1 1 0	3 7 1 0 6 6	1 4 0	1.3 1 3 5	1 4 E 4 1	± 1 ± 4
	1 1 8 1 1 0	56.4 1 1 8 1 5 0	3 7 1 0 6 7	1 4 0	0.9 1 3 6	1 4 E 4 1	± 1 ± 4
	1 1 8 1 5 0	57.1 1 1 8 1 7 4	3 7 1 0 6 8	1 2 4	0.7 1 2 4	1 4 E 4 1	± 1 ± 4
	1 1 8 1 7 4	58.4 1 1 9 1 1 7	3 7 1 0 6 9	1 4 3	1.3 1 4 3	1 4 G 1 0 1	
	1 1 9 1 1 7	59.9 1 1 9 1 6 5	3 7 1 0 7 1 0	1 4 8	0.5 1 2 1	1 4 E 1 4 1	Bxa.
	1 1 9 1 6 5	60.4 1 1 9 1 8 1	3 7 1 0 7 1	1 1 6	0.5 1 1 6	1 4 D 1 3 1 3	
	1 1 9 1 8 1	61.3 1 2 1 0 1 1	3 7 1 0 7 2	1 3 0	0.9 1 3 0	1 4 A 1 0 1	Bxa
	1 2 1 0 1 1	62.1 1 2 1 0 3 6	3 7 1 0 7 3	1 2 5	0.8 1 2 5	1 4 E 1 4 1 4	
	1 2 1 0 3 6	63.2 1 2 1 0 7 5	3 7 1 0 7 4	1 3 9	1.2 1 3 9	1 1 4 1 A 1 0	Bxa
	1 2 1 0 7 5	64.5 1 2 1 1 1 7	3 7 1 0 7 5	1 4 2	1.3 1 4 1	1 1 4 1 A 1 0	Bxa
	1 2 1 1 1 7	66.1 1 2 1 1 7 0	3 7 1 0 7 6	1 5 3	1.5 1 4 8	1 1 4 1 E 1 4	± 6 minor
	1 2 1 1 7 0	67.6 1 2 1 2 1 5	3 7 1 0 7 7	1 4 5	1.4 1 4 5	1 1 4 1 E 1 4	"
	1 2 1 2 1 5	69.0 1 2 1 2 1 6 5	3 7 1 0 7 8	1 5 0	1.5 1 4 9	1 1 4 1 E 1 4	"
	1 2 1 2 1 6 5	70.3 1 2 1 3 1 0 5	3 7 1 0 7 9	1 4 0	1.3 1 4 0	1 1 4 1 E 1 4	"
	1 2 1 3 1 0 5	71.5 1 2 1 3 1 7 6	3 7 1 0 8 1 0	1 4 1	1.3 1 4 1	1 1 4 1 E 1 4	"
	1 2 1 3 1 7 6	72.9 1 2 1 4 1 4 3	3 7 1 0 8 1 1	1 4 7	1.4 1 4 7	1 1 4 1 E 1 4	"
	1 2 1 3 1 9 3	73.2 1 2 1 4 1 0 2	3 7 1 0 8 1 2	1 0	0.3 1 0	1 1 0 1 Q 1 9	
	1 2 1 4 1 0 3	74.4 1 2 1 4 1 4 0	3 7 1 0 8 1 3	1 3 7	1.1 1 3 7	1 1 4 1 E 1 4	± 6
	1 2 1 4 1 4 0	75.7 1 2 1 4 1 8 2	3 7 1 0 8 4	1 4 2	1.3 1 4 2	1 1 4 1 E 1 4	± 6
	1 2 1 4 1 8 2	76.4 1 2 1 5 1 0 5	3 7 1 0 8 5	1 2 3	0.7 1 2 3	1 1 4 1 D 1 4	
	1 2 5 1 0 5	77.7 1 2 1 5 1 5 0	3 7 1 0 8 6	1 4 5	1.4 1 4 5	1 1 4 1 E 1 4	
	1 2 1 5 1 5 0	79.3 1 2 1 6 1 0 1	3 7 1 0 8 7	1 5 1	1.6 1 5 1	1 1 4 1 E 1 4	
	1 2 1 6 1 0 1	80.5 1 2 1 6 1 4 5	3 7 1 0 8 8	1 4 4	1.3 1 4 4	1 1 4 1 D 1 4	
	1 2 1 6 1 4 5	82.0 1 2 1 6 1 9 0	3 7 1 0 8 9	1 4 5	1.4 1 4 5	1 1 4 1 D 1 4	
	1 2 1 6 1 9 0	83.8 1 2 1 7 1 5 0	3 7 1 0 9 1 0	1 6 0	1.7 1 5 5	1 1 4 1 A 1 4	
	1 2 1 7 1 5 0	84.9 1 2 1 7 1 8 5	3 7 1 0 9 1 1	1 3 5	1.1 1 3 5	1 4 1 D 1 4 1 3	3
	1 2 1 7 1 8 5	86.0 1 2 1 8 1 2 1	3 7 1 0 9 1 2	1 3 6	1.1 1 3 6	1 4 1 D 1 4 1 3	3
	1 2 1 8 1 2 1	86.7 1 2 1 8 1 4 3	3 7 1 0 9 1 3	1 2 2	0.7 1 2 2	1 1 4 1 E D	1 minor
	1 2 1 8 1 4 3	88.0 1 2 1 8 1 8 7	3 7 1 0 9 1 4	1 4 4	1.3 1 4 4	1 1 4 1 A 1 4	± 9 trace
	1 2 1 8 1 8 7	89.2 1 2 1 9 1 2 6	3 7 1 0 9 1 5	1 3 9	1.3 1 3 9	1 4 1 A 1 4 1 3	
	1 2 1 9 1 2 6	90.4 1 2 1 9 1 6 5	3 7 1 0 9 1 6	1 3 9	1.3 1 3 9	1 4 1 A 1 4 1 3	
	1 2 1 9 1 6 5	91.6 1 3 1 0 1 8 5	3 7 1 0 9 1 7	1 4 0	1.3 1 4 0	1 4 1 A 1 4 1 3	
			~~3 7 1 0 9 1~~				

EOH

PROJECT _____ DRILLHOLE NO. 89G-34 COORDINATES: N _____ DATE SEPT 12 1989

LOCATION GRUM HOLE SIZE HQ E _____ PAGE 1 of _

LOGGER CKR INCLINATION -90° ELEVATION _____

PITEAU & ASSOCIATES
GEOTECHNICAL CONSULTANTS
VANCOUVER CALGARY

GEOTECHNICAL CORE LOG

DEPTH (TO)	LENGTH OF RUN	CORE RECOVERY		RQD		HARDNESS	DEGREE OF BREAKAGE		DEGREE OF WEATHERING	ROCK TYPE	BEDDING DIP		BEDDING JOINTS		CROSS JOINTS		COMMENTS
		LENGTH	%	LENGTH	%		CATEGORY	NO.			DEPTH	ANGLE	NO.	FREQ.	NO.	FREQ.	
?																	
162.5		0.6															TRICONE - NO RECOV
167.0		4.9		0				2	D								O/B RUBBLE
172.0		5.1		2.0				11	E								
176.5		3.5		1.9				8	E								
179.5		2.0		0.4				6	E								
181.0		1.4		0.0				10	E								
186.0		2.9		0.9				11	E								
191.5		5.2		2.1				10	E								
196.5		2.1		0.0				5	E								
206.5		11.4		0.8				9	E								
208.5		2.0		0.0				4	E								
212.0		3.0		1.5				9	E								
223.5		11.8		9.5				11	F								
232.0		9.4		8.6				11	F								
237.0		5.4		4.0				11	F								
242.0		5.5		2.2				9	F								
245.0		3.8		1.0				7	F								
250.0		5.0		1.4				9	F								
255.0		5.0		0.9				7	F								
260.5		5.2		0.8				7	F								
262.0		1.2		0.4				10	F								
264.5		2.6		0.0				6	F								
267.0		3.0		0.8				8	F								
271.0		4.2		1.4				9	F								
273.5		1.9		0.0				4	F								
278.5		6.4		2.8				11	F								
281.5		4.8		1.5				11	F								

Fig. 1. Typical rock mechanics core log.

PROJECT ____ DRILLHOLE NO. 89G-34 COORDINATES: N ____ DATE ____ 19__

LOCATION Grum HOLE SIZE HQ E ____ PAGE 2 of __

LOGGER C-K INCLINATION -90° ELEVATION ____

PITEAU & ASSOCIATES
GEOTECHNICAL CONSULTANTS
VANCOUVER CALGARY

GEOTECHNICAL CORE LOG

DEPTH (TO)	LENGTH OF RUN	CORE RECOVERY		RQD		HARDNESS	DEGREE OF BREAKAGE		DEGREE OF WEATHERING	ROCK TYPE	BEDDING DIP		BEDDING JOINTS		CROSS JOINTS		COMMENTS
		LENGTH	%	LENGTH	%		CATEGORY	NO.			DEPTH	ANGLE	NO.	FREQ.	NO.	FREQ.	
291.5	17	12.5		8.2			12		F								
297.0		6.5		4.2			12		F								
[illegible]		5.5		1.6			8		F								

EOH

Fig. 1. Typical rock mechanics core log.

89-G-35

CURRAGH RESOURCES INC.

Page 1 of ____

DIAMOND DRILL CORE LOG

Date: _____

Hole Number: 89G-35

Reference Fabric Orientation Diagram:

Project: GRUM SUMMER 89

Location: GRUM DEPOSIT

Claim: _____

Terr.Plane Co-ords.: 6,904,766.672 N 6,129.34 N

592,453.862 E 2,668.93 E

Grid Co-ords: 65W

Elevation: 1276.947

All symmetry determinations looking

Total Depth: 293.5 feet _____ with _____ dipping

Inclination: -90° (Vertical) _____ with dip azimuth _____.

Purpose: metallurgical sample of Dogmatic massive sulphides

Reason hole Terminated: drilled through massive sulphides into HA

Logged by: L C PIGAGE

Date(s) Logged: Sept 11-12, 1989

Drilling Contractor: ARCTIC

Size	CORE From	To
HW	0	167 feet
HQ	165	293.5 feet

Hole Cemented: No

Steel down Hole: YES 80 feet casing

Collar Cased and Capped: No

Assay Lab: _____

Certificate No's: _____

Started: Sept 8/89 Completed: Sept

CURRAGH RESOURCES INC.

Diamond Drill Core Log

DDH 819G-315 (2 … 8)

Date: _____ Logged By: _____

Code	Drillhole	Elevation	Northing	Easting	Units (feet/metres)	R.F.E.	
1	2 … 8	10 … 16	17 … 24	25 … 32	34 … 39	41 42	
T							

FEET

Code	Drillhole	Depth	Zenith Angle	True Azimuth	Comments
1	2 … 8	10 … 14	22 … 26	28 … 32	34 … 56
R	819G-315	00	-910.0	010.0	AT COLLAR
R	819G-315	12719.0	-818.5	310.31.0	SPERRY SUN
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					
R					

Code	Drillhole	Comments, Errant Remarks, Snivellings and / or Lewd Suggestions
1	2 … 8	10 … 56

DDH 89G-35 (FEET)

CURRAGH RESOURCES INC.

Lithologic Log

Page 3

Date: Sept 11/89 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	10 0	11615 0		11	#1	TRICONED - NO RECOVERY
		50 3				
	11615 0	11817 0		12	5B16	[360]
		570				Moderately soft, PS2-foliated, noncalcareous, medium grey phyllite. Locally contains thin grey qtzose siltstones. Contains crudely S2 foliaform pegmatitic white vein qtz. S2 surfaces are silvery grey to steely grey. Overall has a very homogeneous appearance with no strong bedding development. Minor pyrite infilling late cutting fractures.
						Core moderately broken with good recovery.
	11817 0	11913 1		13	5B16	(5D64) 60:40
		58 9				Moderately soft, PS2-foliated, noncalcareous, medium grey phyllite. Very similar to Unit # 2 (-187) described above.
						Contains interbands up to 40cm thick of PS2-foliated, soft, homogeneous, pale cream muscovite-quartz phyllite. S2 surfaces are pale silvery white. This phyllite contains thin quartz-pyrite veinlets parallel S1. Core moderately broken with good recovery.
	11913 1	12115 7		14	5B16	
		657				Moderately soft, PS2-foliated, noncalcareous, medium grey phyllite. S2 surfaces are silvery grey to steely grey. Overall a very homogeneous unit. Similar to Unit # 2 (-187). Contains crudely S2 foliaform pegmatitic white quartz veins with minor interstitial pyrite.
						Core moderately broken with good recovery. Contains minor grey mud gouge along late fractures.

DDH 89G-35 (FEET)

CURRAGH RESOURCES INC.
Lithologic Log

Date: Sept 11/89 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	121157	121226 77		5	15B16	GOUGE
						Noncalcareous, medium to pale grey, mud gouge. Contains angular fragments of white pegmatitic vein quartz. Also contains randomly oriented fragments of grey, noncalcareous, PS2-foliated phyllite.
						Core moderately broken with good recovery. Upper contact of gouge is fracture with orientation 30/025 with respect to S2. Lower contact with sulphides has orientation 35° with respect to core axis. No readily visible internal fabric.
	121226	121250 68		6	14G01	
						Top 0.2 feet consists of fine-grained, PS2-foliated, noncalcareous pyritic sulphides. Contains numerous clasts of white, pegmatitic vein quartz and lesser black, soft, noncalcareous phyllite. Vein quartz has subangular shapes, one set of clasts forms a compositional band parallel S2.
						Rest of unit is thinly banded, noncalcareous, baritic, pyritic sulphides. Compositional banding is on a scale of 1-10mm and marked mainly by variations in baritic and pyrite. Some bands contains honey-coloured sphalerite. Pyrite content 40-50%. Estimated grade 7-9% (Pb+Zn).
						Core moderately broken with good recovery. Core slightly porous along late, steep, cross-cutting fractures at a shallow angle to the core axis.
	121250	121316 72		7	14D1314	±5 [4E41 ±5] (4L0) minor
						Noncalcareous, moderately hard, pyritic sulphides. Contains abundant pale grey quartz clasts floating in sulphide-rich matrix. Locally the quartz clasts have carbonaceous folia — 4A clasts in sulphide-rich matrix. Sulphides range from brassy yellow to reddish brown based on amount of sphalerite. Locally can see wispy

DDH 89G-35
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: Sept 12/89 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	121318 3	121410 1		19		in a sphalerite-matrix. Amount of quartz increases as go down the DDH. Total sulphides 80-95%. Estimated grade 20-25% (Pb+Zn). Pyrite content 40-60%. Pyrite content also increases slightly as go down DDH. Core moderately broken with reasonable recovery.
	121410 1	121415 2 747		110	141E10	Hard, noncalcareous, brassy yellow, massive pyrite. Contains a few thin pale grey quartz streaks. Also contains a few wispy streaks of reddish sphalerite. Pyrite content greater than 95%. Estimated grade 2-3% (Pb+Zn). Overall the unit has a massive, homogeneous appearance. Core very broken, dominantly along steep fractures at shallow angle to core axis. Slightly porous along the fractures, possibly because of small scale slip along the fractures. Recovery reasonable.
	121415 2	121515 2 778		111	141G141	8 MINOR (4EO ± 4 ± PORAUS) 80:20 Moderately hard, noncalcareous, PS2-foliated, thinly banded, baritic sulphides. Compositional banding on 1-3 mm scale defines the S2 foliations. Fine magnetite is disseminated evenly through the baritic sulphides. Sphalerite is honey-coloured. Pyrite content 30-40% Estimated grade 12-13% (Pb+Zn) Contains a 2-foot thick interband of pyritic sulphides. Pyritic sulphides contain a few thin wispy, sphalerite-rich streaks defining S2. Thin bands are also recessive weathering from dissolved carbonate (?). Estimated grade only 3-4% (Pb+Zn) with 95% pyrite content. Core moderately to very broken with reasonable recovery. Some open spaces along steep fractures. Spaces either dissolved carbonate (?) or indicating slight amounts of displacement.

DDH 89G-35

CURRAGH RESOURCES INC.

Lithologic Log

Date: Sept 12/89 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	121552	121625		1112	141D141	(4G4) 80:20
		80 0				Interbanded pyritic quartzite and thinly banded baritic sulphides. Baritic sulphides range up to 40 cm in thickness. Both lithologies contain honey-coloured sphalerite disseminated in matrix. Texturally 4D consists of rounded, pale grey quartz clasts in a sulphide-rich pyrite matrix. Pyrite content about 25-30%. Estimated grade 12-14% (Pb+Zn). Pyrite has interstitial appearance with irregular pattern infilling small fractures at margins of clasts.
						Baritic sulphides are thinly banded. Pyrite content 40-60% Estimated grades 12-14% (Pb+Zn) Similar to 4G units described higher up the DDH.
						TOI - 256.6 core slightly broken with good recovery // 256.6 - 260.3 core very broken and rubbly with reasonable recovery. Very rubble at end of this interval // 260.3 - EOI moderately broken with good recovery.
	121625	121725		1113	141E101	± ϕ (5D4) MINOR
		83 1				Moderately hard, massive, brassy yellow pyrite. Locally contains thin, wispy, discontinuous, reddish brown sphalerite-rich intervals. Locally contains angular, tan dolomite inclusions/clasts up to 2 cm across. Two 10 cm intervals consist of gouge "balls" of pale cream, soft muscovite phyllite. On edges of pyrite adjacent to these intervals can see a few bright green "fuchsite" streaks. In basement 1.5 feet of unit the P52 foliation is defined by thin porous streaks from weathered carbonate (?). Pyrite content >95% Estimated 2-4% (Pb+Zn)
						Core slightly broken with reasonable recovery. Incipient breccia texture along steep fractures nearly parallel with the core axis. Locally the fractures are slightly open, possibly because of dissolved carbonate (?).

DDH 89G-35
2 8

CURRAGH RESOURCES INC.
Lithologic Log

Date: Sept 13/89 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	121712.5	121812.2		114	14D101	± 44
		86.0				Very hard, noncalcareous, PS2-foliated, pyritic quartzite. S2 surfaces are pale quartzite grey. Quartzite is pale grey. Have interbanding of two quartzite types in ratio 70:30. Dominant unit is pale grey, moderately pyritic quartzite. Pyrite forms 1-3 cm compositional bands as well as more irregular interstitial infillings around quartzose areas. Contains honey coloured sphalerite. Pyrite content 25 %. Estimated grade 9-10 % (Pb+Zn). Interbanded with this are extremely sphalerite-rich quartzites. Unit is reddish brown. Sphalerite forms diffuse compositional bands parallel S2. Sphalerite >> pyrite. Estimated grade 20-25 % (Pb+Zn). Total sulphides 40-70 %. In sulphides-rich intervals qtzite forms rounded clasts in sulphides-rich matrix.
						Core very broken along steep fractures. Recovery seems reasonable. Some open spaces in fractures - possibly because of weathered carbonate (?)
	121812.2	121814.7		115	14E101	± $ ± POROUS ± BRECCIA
		86.8				Moderately hard, PS2-foliated, noncalcareous, dark brassy yellow pyrite. Locally contains large white quartz ± dolomite clasts/inclusions up to 4 cm across. Locally cut surface is porous in thin compositional bands or 2-5 cm sub-rounded spots/clasts. Otherwise unit is homogeneous.
						TOI - 283.9 very broken and rubbly with good recovery. // 283.9 - EOI intact with good recovery. Lowermost 0.5 feet consists of angular pyrite clasts in fine grained pyrite matrix. Pyrite-in-pyrite tectonic breccia. Lower contact gradational with increase in amount of quartzite clasts and qtzite matrix in the breccia. Possible significant fault.
						Pyrite content > 95% Estimated grade 2-4% (Pb+Zn).

DDH BGG-1,5 (2 8)

CURRAGH RESOURCES INC.

Lithologic Log

Date: Sept 12/82 Logged By: LCP

Code	From	To	Recov.	No.	Unit	Description
1	10 14	16 20	22 24	26 28	30 34	35
	12814 7	12816 2		116	1B1X1A1	
		87 2				Angular sulphide and quartzite clasts in a fine grained brassy yellow to black matrix. Matrix includes pyrite, sphalerite, carbonaceous phyllite. S2 fabrics in clasts are randomly oriented. Unit is "coherent" fault rock. Contains significant Pb+Zn grade = 10%. Proportion of sulphide clasts decreases as go down the DDH. Grade also decreases once matrix is dominantly carbonaceous "mud gouge".
						Core slightly broken with good recovery.
	12816 2	12913 5		117	1411A101	± 3
		89 5				Very hard, noncalcareous, dk grey, ribbon-banded, pyritic quartzite. Ribbon banding consists of pale white quartz bands with disseminated pyrite. Banding generally on a scale of 1cm or less. Proportion of ribbon banding about 50%. Uppermost portion of unit contains at least one 10-15 cm thick band of brassy yellow pyrite with about 20-30% interstitial grey quartz. Overall pyrite content about 10-15%. Estimated grade 1-3% (Pb+Zn). S2 surfaces are flat black and slightly mark the fingers.
						Core very broken and rubbly. Core extensively spread out in box so difficult to estimate recovery. Broken on both S2 and steep fractures.
						EOH

DDH 89.G-3.5. (2 FEET 8)

CURRAGH RESOURCES INC.
Structural Log

Date: Sept 13 Logged By: LCP

Code	From	To	Feature	Sym	S_0 Dip Direct.	S_1 Dip Direct.	S_2 Dip Direct	Description
1	10 14	16 20	22 24	26	28 32	34 38	40 44	
		11618 0	P1S12				618	micaceous crenulation cleavage
		11811 0	P1S12				618	crenulation cleavage F2
								fold nose from microlithons
		11918 0	P1S12				415	crenulation cleavage
		12111 0	P1S12				619	crenulation cleavage
		12214 0	P1S12				610	compositional banding in barite ore
		12415 0	P1S12				610	compositional banding in barite ore
		12519 5	P1S12				615	compositional banding in barite ore
		12710 0	P1S12				612	compositional banding in pyritic sulphides
		12814 0	P1S12				415	compositional banding in pyritic sulphides
		12913 0	C1S12	5		215 0 10 10	716	carbonaceous folia in 4A

DDH 89G-35 CURRAGH RESOURCES INC. Page ____ of ____

Logged by LCP

ASSAY LOG (SAMPLER'S COPY) Date Sept 14/89 Sampled by ____

CODE	FROM	TO	SAMPLE	INTR.	REC (m)	UNIT	DESCRIPTION
	67.7 121212 2	68.6 121215 0	37 1 14 14	0.9 12 8	1.13	41G101	
*	121215 0	69.5 121218 0	37 1 14 15	0.9 13 0	1.13	41D1341	
	121218 0	70.7 121312 0	37 1 14 16	1.2 14 0	1.12	41D1341	
	121312 0	72.0 121316 2	37 1 14 17	1.3 14 2	1.13	41D1341	
*	121316 2	72.6 121318 3	37 1 14 18	0.6 07	0.71	41E1G1	
*	121318 3	73.2 121410 1	37 1 14 19	0.5 11 8	0.16	41D1441	
*	121410 1	74.7 121415 2	37 1 15 10	1.6 15 1	1.15	41E101	
*	121415 2	76.0 121419 5	37 1 15 11	1.3 14 3	1.16	41G141	
*	121419 5	77.8 121515 2	37 1 15 12	1.8 15 7	1.11	41G1E1	
*	121515 2	79.1 121519 5	37 1 15 13	1.3 14 3	1.16	41D1G141	
*	121519 5	80.0 121612 5	37 1 15 14	0.9 13 0	0.18	41D1G141	
*	121612 5	81.5 121617 5	37 1 15 15	1.5 15 0	1.17	41E101	
*	121617 5	83.1 121712 5	37 1 15 16	1.6 15 0	1.16	41E101	
	121712 5	84.1 121716 0	37 1 15 17	1.0 13 5	1.12	41D1441	
	121716 0	85.0 121719 0	37 1 15 18	0.9 13 0	1.10	41D101	
	121719 0	86.0 121812 2	37 1 15 19	1.0 13 2	1.13	41D1441	
*	121812 2	86.8 121814 7	37 1 16 10	0.8 12 5	0.19	41E101	
	121814 7	87.2 121816 2	37 1 16 11	0.5 11 5	0.15	81X1A1	
	121816 2	89.4 121910 0	37 1 16 12	1.8 13 8	2.16	41A101	
	121910 0	89.5 121913 5	37 1 16 13	1.1 13 5	1.11	41A101	
		EOH					

PROJECT _____ DRILLHOLE NO. 896-35 COORDINATES: N _____ DATE Sept 12 1989

LOCATION _____ HOLE SIZE NQ E _____ PAGE 1 of 2

LOGGER LCP INCLINATION -90° ELEVATION _____

PITEAU & ASSOCIATES
GEOTECHNICAL CONSULTANTS
VANCOUVER CALGARY

GEOTECHNICAL CORE LOG

FEET

DEPTH (TO)	LENGTH OF RUN	CORE RECOVERY		RQD		HARDNESS	DEGREE OF BREAKAGE		DEGREE OF WEATHERING	ROCK TYPE	BEDDING DIP		BEDDING JOINTS		CROSS JOINTS		COMMENTS
		LENGTH	%	LENGTH	%		CATEGORY	NO.			DEPTH	ANGLE	NO.	FREQ.	NO.	FREQ.	
165		0		0			—		—						—		TRICONED — NO RECOVERY
168.5		4.3		0.5			7		F						3		
172		3.1		0.4			8		F						2		
177		5.3		0.8			8		F						2		
182		5.0		1.5			10		F						1		
187		5.4		1.8			10		F						4		
192		5.5		1.6			8		F						6		
197		5.5		3.0			12		F						2		
201.5		4.0		1.1			8		F						3		
206.5		5.5		1.1			10		F						4		
211.5		4.5		2.1			11		F						3		
216.5		5.7		1.6			9		F						7		
222		5.5		0			2		F						3		
227		7.0	140%	1.0			7		E						6		
232		5.0	100	1.6			9		E						3		
235.5		2.5	100	0			6		E						1		
239.5		4.9	123%	0.8			7		E						5		
244.5		4.8	96%	0.6			6		E						6		
249.5		6.0	120%	1.2			7		F						4		
254.5		3.3	66%	1.4			9		E						3		
259.5		6.0	120%	2.0			11		E						5		
264.5		4.5	90%	1.3			10		E						5		
269.5		5.5	110%	4.1			13		E						1		
275		6.0	109%	2.4			11		E						6		
277.5		2.7	108%	0			6		F						3		
281		4.4	126%	0.4			6		E						5		
286.5		6.0	109%	1.7			12		E						4		
289		5.5	220%	0			7		F						4		

Fig. 1. Typical rock mechanics core log.

PROJECT ______ DRILLHOLE NO. 89G-35 COORDINATES: N ______ DATE Sept 12 1989

LOCATION ______ HOLE SIZE HQ E ______ PAGE 2 of 2

LOGGER LCP INCLINATION -90° ELEVATION ______

PITEAU & ASSOCIATES
GEOTECHNICAL CONSULTANTS
VANCOUVER CALGARY

GEOTECHNICAL CORE LOG

DEPTH (TO)	LENGTH OF RUN	CORE RECOVERY		RQD		HARDNESS	DEGREE OF BREAKAGE		DEGREE OF WEATHERING	ROCK TYPE	BEDDING DIP		BEDDING JOINTS		CROSS JOINTS		COMMENTS
		LENGTH	%	LENGTH	%		CATEGORY	NO.			DEPTH	ANGLE	NO.	FREQ.	NO.	FREQ.	
290		2.0	200%	0			6		F						3		
291		1.5	120%	0			6		F						2		
293.5		4.5	180%	0			6		F						3		
							EOH										

Fig. 1. Typical rock mechanics core log.